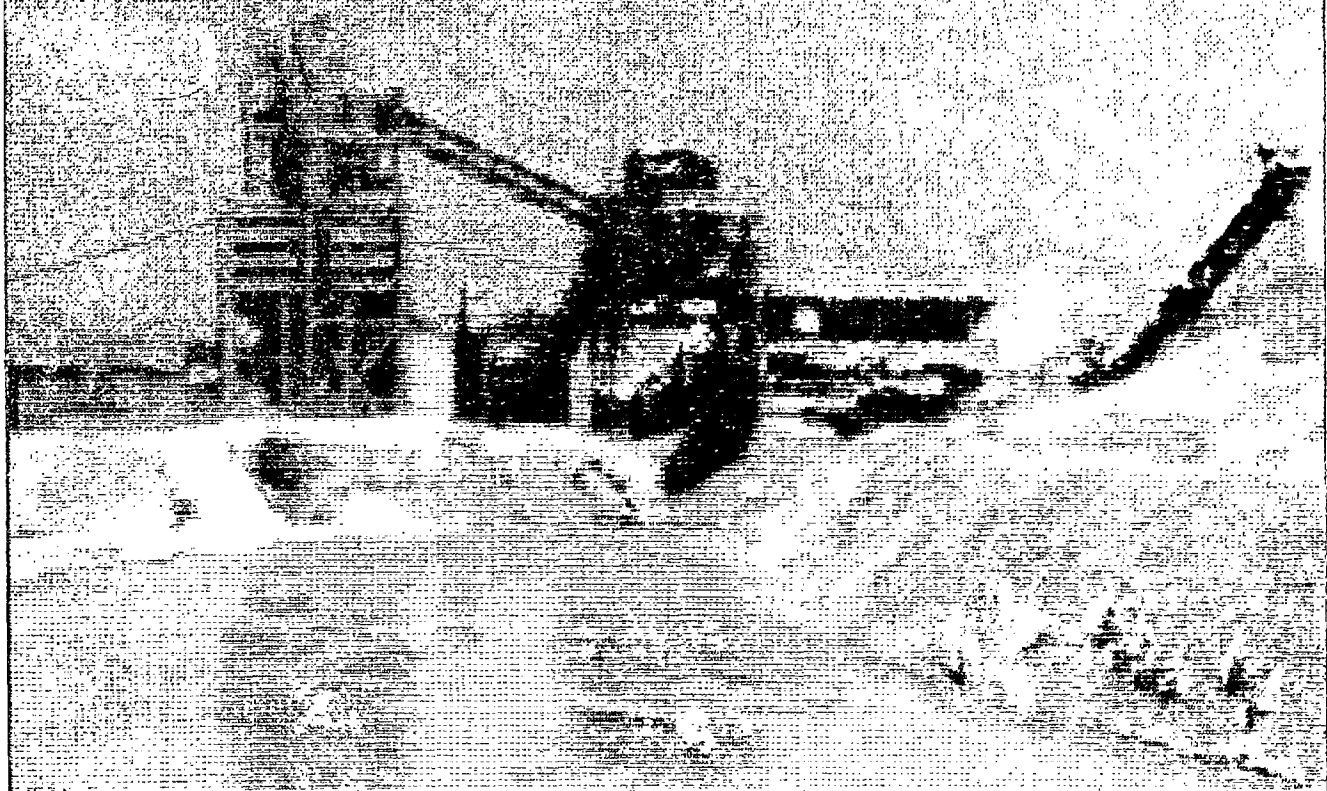


Inventory and Hazard Assessment of Maryland's Coastal Sand and Gravel Wash Plants and Ponds



Maryland
Department of Natural Resources

November, 1988

INVENTORY AND HAZARD ASSESSMENT OF MARYLAND'S
COASTAL SAND AND GRAVEL WASH PLANTS AND PONDS

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Abstract

An inventory of sand and gravel wash plants and ponds in the 16 counties of Maryland contiguous to the Chesapeake Bay was conducted during 1988. A total of 120 wash water settling ponds were identified and surveyed at 36 sites, of which 104 ponds are currently used.

As a result of the inventory, it was found that many wash water settling ponds currently in use were not built with appropriate approvals and therefore were not constructed to accepted design and construction specifications. Existing regulations provide a good basis for dealing with wash water settling ponds, however, strict enforcement and education of the operators with regard to the regulations is essential.

Each pond system and site surveyed was unique although some overall problems were noted. This diversity made it necessary to take many factors into account when assessing the potential hazards of any given pond.

Foreword

The purpose of this report is to present an inventory of sand and gravel wash plants and active and inactive ponds and to assess the potential hazards, if any, associated with them. This report was prepared by Molly Ann Kerns, Surface Mining Division, Water Resources Administration for the Coastal Resources Division, Tidewater Administration, Department of Natural Resources.

The information contained in this report was compiled from many sources including, surface mining permit files, Maryland Dam Safety Manual, Maryland Geological Survey maps, field surveys, correspondence with state agencies and private industry, and personal interviews. While every effort was made to collect accurate information, the author cannot guarantee the accuracy due to the variable nature of these ponds. Questions concerning this document should be addressed to Department of Natural Resources, Water Resources Administration, Surface Mining Division, Tawes State Office Building, 580 Taylor Ave., Annapolis, Md. 21401.

Acknowledgements

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The author would also like to thank Hal Van Aller for his assistance in designing and producing the data sheets, and Natalie Steele for her patience in typing this report.

The cover for this report was created by Bill Burgess on the Map and Image Processing System (MIPS), currently in use by the Department of Natural Resources.

INTRODUCTION

I.

INTRODUCTION

Increased awareness of the large amounts of sediment being deposited into the Chesapeake Bay and its tributaries has prompted the State to examine an otherwise unnoticed aspect of the sand and gravel business - wash water settling ponds. The ponds are used to settle out the material produced by the washing operation. The washing process produces a waste by-product which is very fine, supersaturated, and hard to dispose of.

Most sand and gravel operations have wash plants that incorporate some sort of pond system. Some operations use a closed system in which the material is pumped through a series of ponds and channels, allowing fine material to settle out. The final pond contains relatively clean water which is recycled back to the plant. Other companies fill up one pond and then dig another. One company uses a flocculent method; using a flocculent enables the operator to settle out the fine, silty material in tanks at the plant so only clean water is discharged from the plant and returned to the make-up water pond. The clean water from these make-up ponds is recycled back to the plant for reuse. Problems exist with all of these methods. The flocculent method is rather expensive to set up and operate. However, it saves space and the silty waste material is fairly dry and mixes well with other types of material to be used in reclamation of the surface mine. Digging new ponds as the old ones fill up requires vast areas of land, and for a plant producing large amounts of material it is also very labor intensive.

Plants which use the closed pond system must maintain the ponds by dredging or use of a dragline to keep the final pond clean. This method is both labor intensive and costly. The material removed from the settling ponds contains an excessive amount of water and is hard to work with. The material may be pumped to another pond or out onto a flat surface to dry in lifts or it may be trucked elsewhere to dry. The areas to which it is moved, should be monitored for sediment laden runoff.

In the 16 counties contiguous to the Chesapeake Bay there were 120 wash water settling ponds identified. The ponds are concentrated within the Coastal Plain, where the majority of the sand and gravel resources are deposited. (Three additional sites were identified in Prince George's county containing an unknown number of ponds. Permission was denied by the owner to survey the ponds, therefore detailed information is unavailable.) A pond system in close proximity to a river or stream has a high potential for depositing large amounts of sediment in the event

of structural failure. Four of the sites in Anne Arundel county are located along a 3 mile stretch of the Patuxent River. Because the ponds are a high potential source of sediment to waters of the State, concerns are raised when the stability of a pond is in question. Many factors such as vegetation, poor construction, and lack of maintenance contribute to the instability of a pond. Those flagged as having a high potential hazard are not the only ponds of concern. Any pond that is not vegetatively stabilized, even if the structure is built to current construction standards and specifications, stands a chance of failure because of surface erosion of the embankment.

The type of vegetation is also very important. Grass is the best cover because of its stems and shallow root system. If properly maintained, it will become a dense and erosion-resistant layer catching fine material and runoff, thereby greatly decreasing erosion. Grass also enhances the appearance of the structure and provides a surface that can be easily inspected. Shrubs and trees are undesirable types of vegetation for an embankment type pond and should be prevented from growing on the structure. The roots grow laterally through the side of the embankment, creating seepage paths for water. These seepage paths will grow larger as water flows through them, causing a weakness in the embankment and increasing the chance for failure. Trees and shrubs which blow over or uproot, tear up portions of the embankment leaving a weak spot which becomes vulnerable to erosion, blowouts, and overtopping.

In addition to vegetation, other aspects of the pond should be monitored such as, proximity to streams, steep side slopes, top width, height and condition of the embankment, drainage or seepage problems, the existence and condition of pipes and spillways, and the remaining capacity of the pond. All these factors contribute to the safe condition of the pond.

Ideally, the side slope of the embankment should be constructed to no steeper than 2:1. The flatter the slope, the more massive the structure will be, increasing its stability. The embankment would then also be easier to vegetatively stabilize, maintain, and inspect as well as reducing the potential for failure due to erosion. A thin top width is undesirable for an embankment pond because there is an increased chance for failure and erosion. The top width should be designed and constructed in accordance with the height and overall size of the embankment and the crest should be vegetatively stabilized.

The embankment height should be in keeping with accepted design and construction methods, additional height should not be added to increase the capacity of the pond without careful review of design standards which may cause cracks, slides, or settlement of the structure. It is also important that the structure is constructed of well compacted material and that the condition of

the embankment is maintained with routine inspections and care of the grass vegetation.

Drainage and seepage problems may occur for various reasons. Seepage occurring from tree and shrub roots has already been discussed, but seepage may also occur from poor design, or improper construction materials and methods. A pond constructed from sandy material will likely have seepage problems, since this type of material allows lateral flow. The fine silty material placed in the pond may partially fill the pore space, but this may not completely seal the embankment. If the embankment is not compacted to standards during construction, problems with seepage through the embankment is likely. Drainage problems may occur from damaged or clogged pipe spillways which block the flow of wash material. Drainage problems may also occur from an improperly constructed pond. The downstream side of an embankment may become supersaturated causing a failure commonly manifested as a slide.

When inspecting the embankment, special notice of cracks should be taken since they may indicate settling of the embankment or the beginning of a slide. Pipes and spillways should be checked for damage by equipment dredging or draglining the pond. The pipes should be designed and made of material approved in the Soil Conservation Service pond specifications. These devices are installed as a safety measure therefore, their effectiveness should be maintained for optimum results.

The level of water below the top of the embankment is of critical importance. Adequate freeboard should be maintained for additional storage capacity and to prevent overtopping in a storm event. A reasonable freeboard (2 feet minimum) should be left to allow for stormwater runoff and the time needed for the dredge or dragline to clean out the pond.

Not all wash plants and ponds are located at surface mines, some are separate entities and are rarely inspected. Even those plants and ponds at a surface mine do not have to be in the permit area thereby not receiving the attention and inspection which may be needed. These factors initially lead to problems for those operating the plants and ponds and those regulating them.

Operators need to be conscientious, ensuring that embankments, pertinent structures, and spoil areas are properly inspected and maintained. Vegetation should be of a favorable type, preferably grass, and be maintained by fertilizing and mowing. Pipes and spillways should be monitored for seepage and damage from dredging. The limit of the height of material being stored should be monitored so as to provide a safety factor and deter the potential problem of overtopping as well as allowing time for the pond to be cleaned out. Discharge points should be

monitored to keep discharge water within parameters established by the discharge permit. Equally as important as these precautions, the operator should make plans for restoration of the site and construction of additional ponds.

The need to be cost effective should never be at the expense of safety. Monitoring these ponds, although time consuming, is very important due to the fact that they are constantly changing, new ponds are added, old ponds are made larger or are abandoned and become overgrown with vegetation. This variability emphasizes the need for a clear, concise system of standards and regulations for these ponds.

The data which follows was gathered from surveys of the ponds, field interpretations, maps and other pertinent information. The ponds were located radially with traverse points established in the field by angle and stadia distance. The points were plotted on graph paper and the area obtained by use of a planimeter. Cross sections were taken to obtain the height, depth, top width, freeboard, and downstream slope of embankment type ponds.

REGULATORY AUTHORITY

II.

REGULATORY AUTHORITY

There are existing laws which deal with the construction of ponds and the emission of soil and sediment into the waters of the state. Wash water settling ponds are not specifically cited in any of these laws, but are intended to be governed by them.

The Environmental Article (Annotated Code of Maryland), sections 4-413 and 4-415 address the "adding, introducing, etc., soil or sediment into waters of the state", and "Orders to Correct Violations", section 4-413 states, "it is unlawful for any person to add, introduce, leak, spill or otherwise emit soil or sediment into waters of the state or to place soil or sediment in a condition or location where it is likely to be washed into waters of the state by runoff of precipitation or by any other flowing water." The sediment from wash ponds is so fine it is easily carried by rain or other running water. It is of the utmost importance that this sediment is properly handled and stored to diminish the chance of runoff, thereby protecting the waters of the State from an increased sediment load.

Sections 4-413 and 4-415 can be applied to both ponds which fail and lose large amounts of sediment, and those in danger of failing because of poor construction or maintenance. Sections 4-413 and 4-415 of the Environmental Article should be used in conjunction with Natural Resources Article, Section 8-803, (Annotated Code of Maryland), to explain the requirements to obtain approval to build a small pond in the State of Maryland. All ponds should have Soil Conservation District Approval or a Water Resources Administration Permit. Many of the wash ponds now in existence have neither, and because of this are not built according to Soil Conservation Service specifications. Soil Conservation Service specifications 378-1 and 350-AA explain in detail how to construct a pond to maintain its stability and effectiveness. These specifications detail both dugout and embankment ponds. Soil Conservation Districts and Water Resources Administration use these specifications when reviewing a pond approval request.

The existing laws provide a good basis for dealing with wash water settling ponds. With uniform implementation by all agencies involved and strict enforcement other regulatory action, if at all necessary, would be minor.

SITE INDEX BY COUNTY

III.

SITE INDEX BY COUNTY

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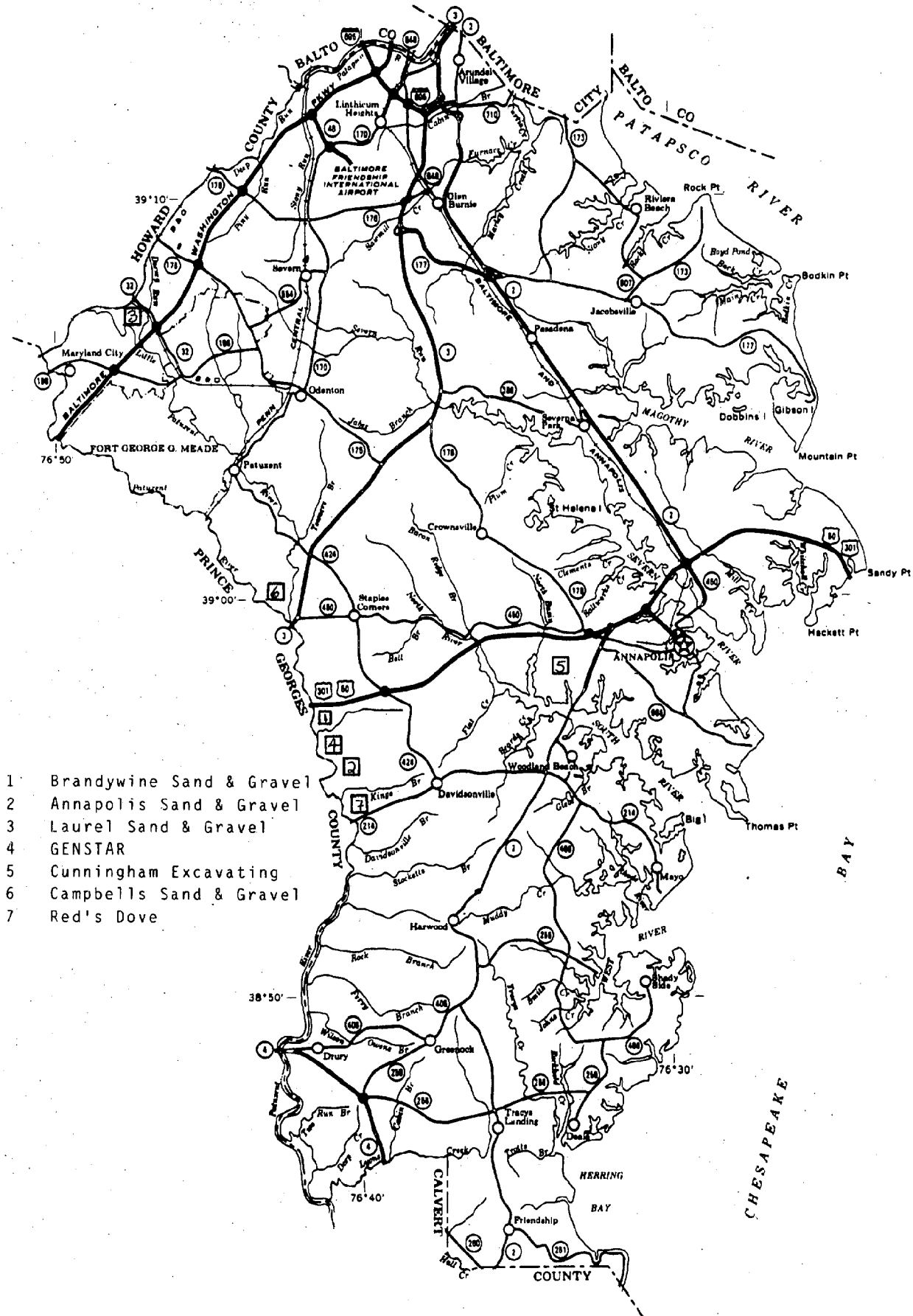
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WO2-77-SP-0123	Lance J. Eller, Inc.	46 ; I 123

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SITE SPECIFIC**

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ANNE ARUNDEL COUNTY



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- 2 Annapolis Sand & Gravel
- 3 Laurel Sand & Gravel
- 4 GENSTAR
- 5 Cunningham Excavating
- 6 Campbells Sand & Gravel
- 7 Red's Dove

**Department of Natural Resources
Water Resources Administration
Surface Mining Division**

COMPANY NAME: BRANDYWINE SAND AND GRAVEL

SITE NUMBER: AA1-78-SP-0018

NUMBER OF PONDS ON SITE: 3

	ACTIVE/INACTIVE	SIZE (Acres)	PROXIMITY TO STREAM (feet)	POTENTIAL HAZARD
POND 1	inactive	6.18	2500	low
POND 2	active	3.80	3000	low
POND 3	inactive	7.20	2000	low
POND 4				
POND 5				
POND 6				
POND 7				
POND 8				
POND 9				
POND 10				
POND 11				

LOCATION

COUNTY: AA

LAND OWNER: Brandywine Sand and Gravel

BASIN CODE: 02131104

TAX MAP PAGES: 53, 54

RIVER/STREAM:

LIBER: 3588

Patuxent River

MD GRID COORDINATES:

FOLIO: 708

NORTH: 405

ACRES: 100

EAST : 895

PARCEL NUMBER: 6

See appendix I, page(s) 1-3 for specific details on individual ponds.

**Department of Natural Resources
Water Resources Administration
Surface Mining Division**

COMPANY NAME: ANNAPOLIS SAND AND GRAVEL

SITE NUMBER: AA2-77-SP-0026

NUMBER OF PONDS ON SITE: 1

	ACTIVE/INACTIVE	SIZE (Acres)	PROXIMITY TO STREAM (feet)	POTENTIAL HAZARD
POND 1	active	45.85	50	high
POND 2				
POND 3				
POND 4				
POND 5				
POND 6				
POND 7				
POND 8				
POND 9				
POND 10				
POND 11				

LOCATION

COUNTY: AA

LAND OWNER: Annapolis Sand and Gravel

BASIN CODE: 02131105

TAX MAP PAGES: 54,58

RIVER/STREAM:

LIBER: 3143

Patuxent River

MD GRID COORDINATES:

FOLIO: 276

NORTH: 397

ACRES: 263.13

EAST : 892

PARCEL NUMBER: 26

See appendix I, page(s) 4 for specific details on individual ponds.

**Department of Natural Resources
Water Resources Administration
Surface Mining Division**

COMPANY NAME: LAUREL SAND AND GRAVEL

SITE NUMBER: AA3-84-SP-0180

NUMBER OF PONDS ON SITE: 6

	ACTIVE/INACTIVE	SIZE (Acres)	PROXIMITY TO STREAM (feet)	POTENTIAL HAZARD
POND 1	active	1.51	600	low
POND 2	active	1.21	600	low
POND 3	active	1.56	600	low
POND 4	active	5.83	62000	high
POND 5	active	8.18	62000	intermediate
POND 6	active	8.13	60000	intermediate
POND 7				
POND 8				
POND 9				
POND 10				
POND 11				

LOCATION

COUNTY: AA

LAND OWNER: B.A. ASSOCIATES LTD. PARTNERSH

BASIN CODE: 02131105

TAX MAP PAGES: 13,20

RIVER/STREAM:

LIBER: 3477

Dorsey Run

MD GRID COORDINATES:

FOLIO: 457

NORTH: 470

ACRES: 458.56

EAST : 860

PARCEL NUMBER: 195

See appendix I, page(s) 5-10 for specific details on individual ponds.

**Department of Natural Resources
Water Resources Administration
Surface Mining Division**

COMPANY NAME: GENSTAR-DAVIDSONVILLE

SITE NUMBER: AA4-77-SP-0035

NUMBER OF PONDS ON SITE: 6

	ACTIVE/INACTIVE	SIZE (Acres)	PROXIMITY TO STREAM (feet)	POTENTIAL HAZARD
POND 1	active	23.50	1000	low
POND 2	active	4.30	800	none
POND 3	active	3.70	1000	low
POND 4	active	1.67	1000	low
POND 5	active	0.95	1000	none
POND 6	active	2.04	1000	low
POND 7				
POND 8				
POND 9				
POND 10				
POND 11				

LOCATION

COUNTY: AA

LAND OWNER: The Flintkote Company

BASIN CODE: 02131104

TAX MAP PAGES: 54

RIVER/STREAM:
Patuxent River

LIBER: 4035

MD GRID COORDINATES:

FOLIO: 852

NORTH: 401

ACRES: 72

EAST : 891

PARCEL NUMBER: 208,9,14

See appendix I, page(s) 11-16 for specific details on individual ponds.

**Department of Natural Resources
Water Resources Administration
Surface Mining Division**

COMPANY NAME: CUNNINGHAM SAND AND GRAVEL

SITE NUMBER: AA5-78-SP-0087

NUMBER OF PONDS ON SITE: 3

	ACTIVE/INACTIVE	SIZE (Acres)	PROXIMITY TO STREAM (feet)	POTENTIAL HAZARD
POND 1	active	1.48	1000	low
POND 2	active	0.84	900	low
POND 3	active	0.85	800	low
POND 4				
POND 5				
POND 6				
POND 7				
POND 8				
POND 9				
POND 10				
POND 11				

LOCATION

COUNTY: AA

LAND OWNER: Cunningham Sand and Gravel

BASIN CODE: 01131105

TAX MAP PAGES: 36

RIVER/STREAM:
Patuxent River

LIBER: 3705

MD GRID COORDINATES:

FOLIO: 709

NORTH: 440

ACRES: 132

EAST : 890

PARCEL NUMBER: 10

See appendix I, page(s) 17-19 for specific details on individual ponds.

**Department of Natural Resources
Water Resources Administration
Surface Mining Division**

COMPANY NAME: CAMPBELLS SAND AND GRAVEL

SITE NUMBER: AA6-80-SP-0838

NUMBER OF PONDS ON SITE: 2

	ACTIVE/INACTIVE	SIZE (Acres)	PROXIMITY TO STREAM (feet)	POTENTIAL HAZARD
POND 1	active	1.74	7000	none
POND 2	active	1.93	7000	none
POND 3				
POND 4				
POND 5				
POND 6				
POND 7				
POND 8				
POND 9				
POND 10				
POND 11				

LOCATION

COUNTY: AA

LAND OWNER: Campbell Sand and Gravel

BASIN CODE: 02131105

TAX MAP PAGES: 36,42

RIVER/STREAM:

LIBER: 3314

Little Patuxent River

MD GRID COORDINATES:

FOLIO: 595

NORTH: 434

ACRES: 445.8

EAST : 877

PARCEL NUMBER: 110

See appendix I, page(s) 20-21 for specific details on individual ponds.

**Department of Natural Resources
Water Resources Administration
Surface Mining Division**

COMPANY NAME: REDS DOVE INC.

SITE NUMBER: AA7-77-SP-0073

NUMBER OF PONDS ON SITE: 4

	ACTIVE/INACTIVE	SIZE (Acres)	PROXIMITY TO STREAM (feet)	POTENTIAL HAZARD
POND 1	active	0.43	750	none
POND 2	active	0.85	750	none
POND 3	active	0.40	800	none
POND 4	active	1.38	900	low
POND 5				
POND 6				
POND 7				
POND 8				
POND 9				
POND 10				
POND 11				

LOCATION

COUNTY: AA

LAND OWNER: James Steinberg

BASIN CODE: 02131102

TAX MAP PAGES: 20

RIVER/STREAM:

LIBER: 3859

Patuxent River

MD GRID COORDINATES:

FOLIO: 767

NORTH: 393

ACRES: 20

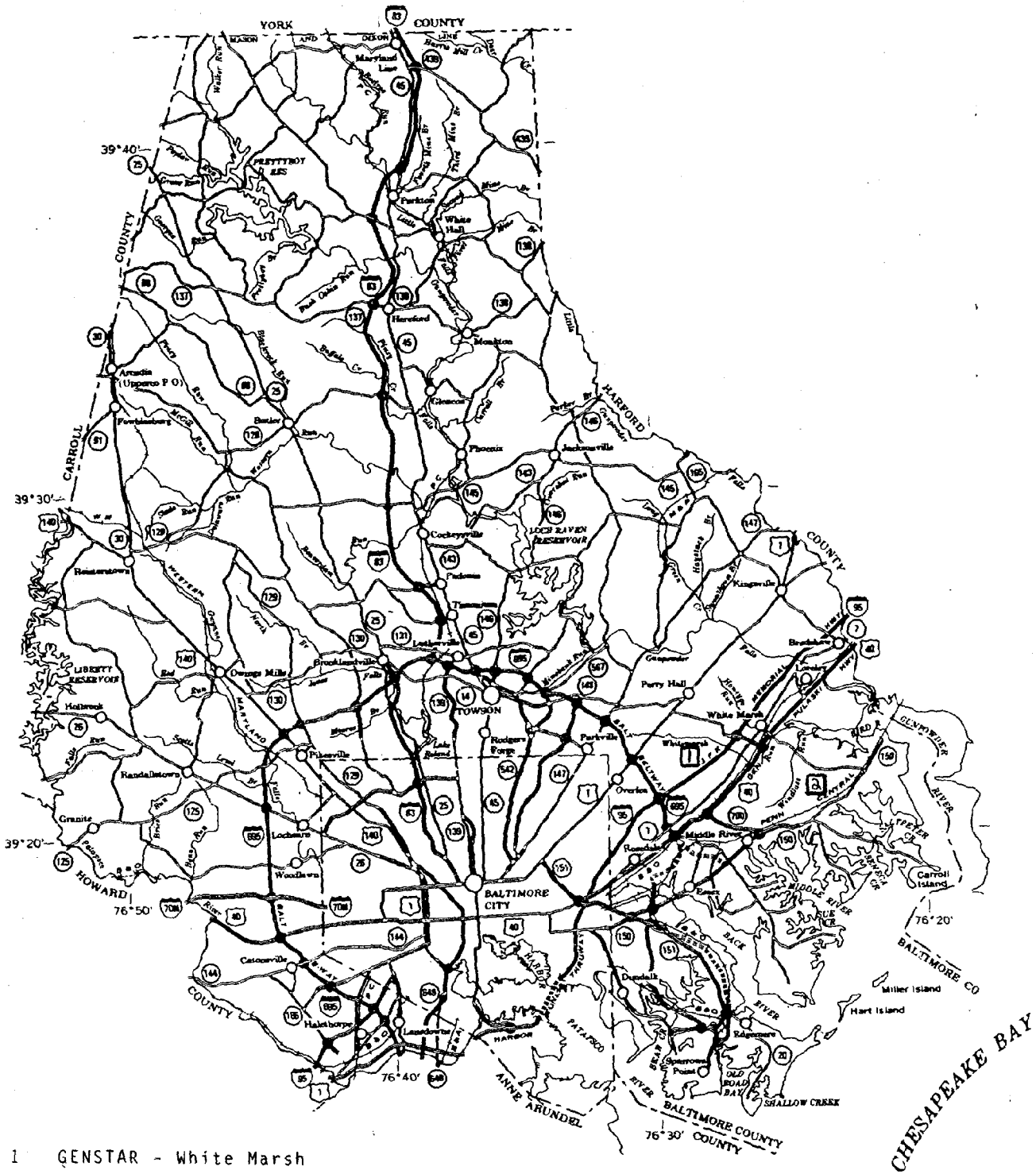
EAST : 893

PARCEL NUMBER: 3

See appendix I, page(s) 22-25 for specific details on individual ponds.

BALTIMORE COUNTY

PENNSYLVANIA



**Department of Natural Resources
Water Resources Administration
Surface Mining Division**

COMPANY NAME: GENSTAR-WHITE MARSH

SITE NUMBER: BA1-77-SP-0064

NUMBER OF PONDS ON SITE: 11

	ACTIVE/INACTIVE	SIZE (Acres)	PROXIMITY TO STREAM (feet)	POTENTIAL HAZARD
POND 1	active	0.11	3200	low
POND 2	active	0.12	2600	none
POND 3	active	0.17	2400	none
POND 4	active	0.17	200	none
POND 5	active	0.48	1600	none
POND 6	inactive	8.00	1800	none
POND 7	inactive	6.45	500	none
POND 8	inactive	14.97	2200	none
POND 9	inactive	12.01	400	none
POND 10	active	0.94	50	none
POND 11	active	4.67	1200	none

LOCATION

COUNTY: BA

LAND OWNER: Genstar

BASIN CODE: 02130803

TAX MAP PAGES: 73,83

RIVER/STREAM:

LIBER: 5732

White Marsh Run

MD GRID COORDINATES:

FOLIO: 542

NORTH: 563

ACRES: 276.15

EAST : 951

PARCEL NUMBER: 4

See appendix I, page(s) 26-36 for specific details on individual ponds.

**Department of Natural Resources
Water Resources Administration
Surface Mining Division**

COMPANY NAME: GENSTAR-CHASE

SITE NUMBER: BA2-77-SP-0056

NUMBER OF PONDS ON SITE: 1

	ACTIVE/INACTIVE	SIZE (Acres)	PROXIMITY TO STREAM (feet)	POTENTIAL HAZARD
POND 1	active	6.93	5000	intermediate
POND 2				
POND 3				
POND 4				
POND 5				
POND 6				
POND 7				
POND 8				
POND 9				
POND 10				
POND 11				

LOCATION

COUNTY: BA

LAND OWNER: Genstar

BASIN CODE: 02130801

TAX MAP PAGES: 83

RIVER/STREAM:

LIBER: 5619

Bird River

MD GRID COORDINATES:

FOLIO: 725

NORTH: 556

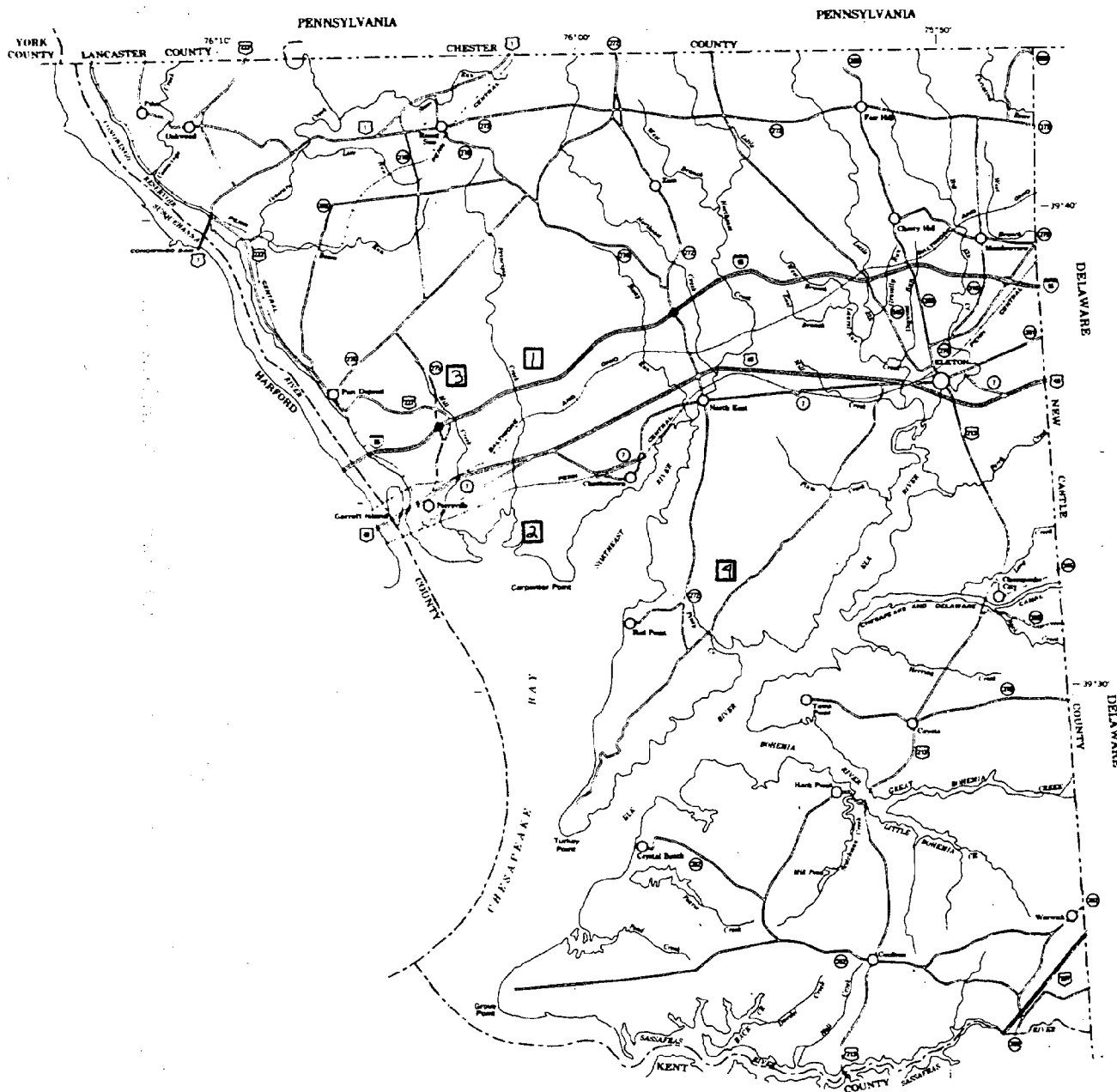
ACRES: 398.6

EAST : 974

PARCEL NUMBER: 454,413

See appendix I, page(s) 37 for specific details on individual ponds.

CECIL COUNTY



- 1 York Building Products - Belvedere
- 2 Stancills, Inc.
- 3 Cecil Sand & Gravel
- 4 York Building Products - Northeast

**Department of Natural Resources
Water Resources Administration
Surface Mining Division**

COMPANY NAME: YORK BUILDING PRODUCTS-BELVEDERE

SITE NUMBER: CE1-77-SP-0081

NUMBER OF PONDS ON SITE: 8

	ACTIVE/INACTIVE	SIZE (Acres)	PROXIMITY TO STREAM (feet)	POTENTIAL HAZARD
POND 1	inactive	7.87	1600	none
POND 2	inactive	4.09	600	none
POND 3	inactive	4.55	800	none
POND 4	inactive	6.07	1000	none
POND 5	active	24.00	1200	none
POND 6	active	22.50	1400	none
POND 7	active	12.80	1500	none
POND 8	active	24.20	1600	none
POND 9				
POND 10				
POND 11				

LOCATION

COUNTY: CE

LAND OWNER: York Building Products

BASIN CODE: 02130609

TAX MAP PAGES: 24,30

RIVER/STREAM:

LIBER: 65

Principio Creek

MD GRID COORDINATES:

FOLIO: 783

NORTH: 640

ACRES: 2,024

EAST : 1070

PARCEL NUMBER: 241

See appendix I, page(s) 38-45 for specific details on individual ponds.

**Department of Natural Resources
Water Resources Administration
Surface Mining Division**

COMPANY NAME: STANCILLS, INC.

SITE NUMBER: CE2-77-SP-0090

NUMBER OF PONDS ON SITE: 2

	ACTIVE/INACTIVE	SIZE (Acres)	PROXIMITY TO STREAM (feet)	POTENTIAL HAZARD
POND 1	active	5.73	400	low
POND 2	active	6.80	500	low
POND 3				
POND 4				
POND 5				
POND 6				
POND 7				
POND 8				
POND 9				
POND 10				
POND 11				

LOCATION

COUNTY: CE

LAND OWNER: Stancills, Inc.

BASIN CODE: 02130609

TAX MAP PAGES: 35

RIVER/STREAM:

LIBER: 300

Furnace Bay-Principio Creek

MD GRID COORDINATES:

FOLIO: 400

NORTH: 633

ACRES: 138

EAST : 1074

PARCEL NUMBER: 121

See appendix I, page(s) 46-47 for specific details on individual ponds.

**Department of Natural Resources
Water Resources Administration
Surface Mining Division**

COMPANY NAME: CECIL SAND AND GRAVEL

SITE NUMBER: CE3-80-SP-0353

NUMBER OF PONDS ON SITE: 5

	ACTIVE/INACTIVE	SIZE (Acres)	PROXIMITY TO STREAM (feet)	POTENTIAL HAZARD
POND 1	active	1.38	1500	none
POND 2	active	1.49	1500	none
POND 3	active	0.92	1500	none
POND 4	active	1.87	1500	none
POND 5	active	1.31	1500	low
POND 6				
POND 7				
POND 8				
POND 9				
POND 10				
POND 11				

LOCATION

COUNTY: CE

LAND OWNER: Eastern Shore Sand and Gravel

BASIN CODE: 02130609

TAX MAP PAGES: 23

RIVER/STREAM:

LIBER: 78

Mill Creek

MD GRID COORDINATES:

FOLIO: 506

NORTH: 649

ACRES: 59.50

EAST : 1062

PARCEL NUMBER: 60

See appendix I, page(s) 48-52 for specific details on individual ponds.

**Department of Natural Resources
Water Resources Administration
Surface Mining Division**

COMPANY NAME: YORK BUILDING PRODUCTS-NORTHEAST

SITE NUMBER: CE4-77-SP-0080

NUMBER OF PONDS ON SITE: 4

	ACTIVE/INACTIVE	SIZE (Acres)	PROXIMITY TO STREAM (feet)	POTENTIAL HAZARD
POND 1	active	11.75	31250	low
POND 2	active	9.11	31250	low
POND 3	active	6.01	31250	low
POND 4	active	1.89	31250	low
POND 5				
POND 6				
POND 7				
POND 8				
POND 9				
POND 10				
POND 11				

LOCATION

COUNTY: CE

LAND OWNER: York Building Products

BASIN CODE: 02130608

TAX MAP PAGES: 36

RIVER/STREAM:

LIBER: 105

Plum Creek

MD GRID COORDINATES:

FOLIO: 488

NORTH: 630

ACRES: 431.46

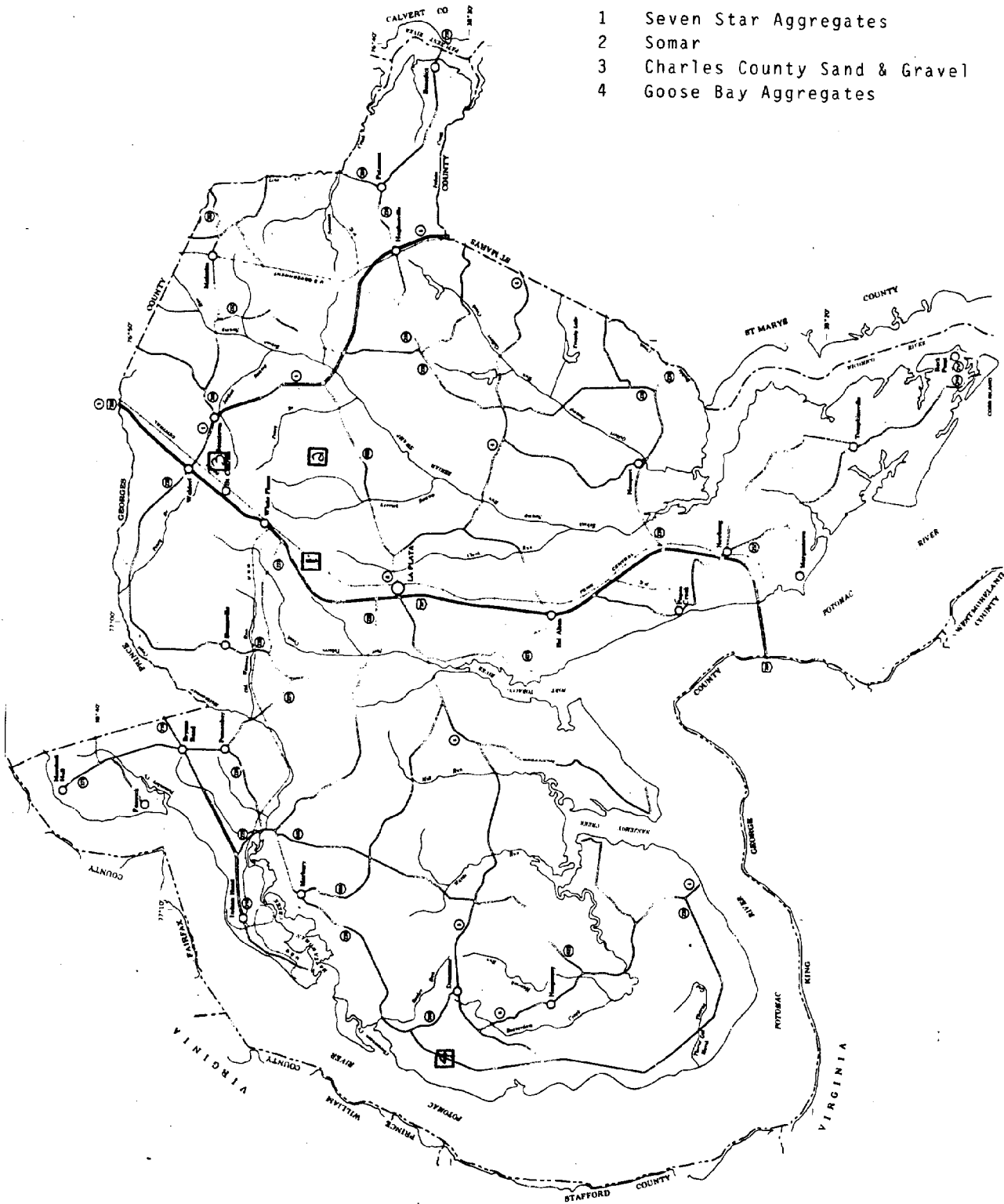
EAST : 1105

PARCEL NUMBER: 76

See appendix I, page(s) 53-56 for specific details on individual ponds.

CHARLES COUNTY

- 1 Seven Star Aggregates
- 2 Somar
- 3 Charles County Sand & Gravel
- 4 Goose Bay Aggregates



**Department of Natural Resources
Water Resources Administration
Surface Mining Division**

COMPANY NAME: SEVEN STAR AGGREGATES

SITE NUMBER: CH1-87-SP-0249

NUMBER OF PONDS ON SITE: 5

	ACTIVE/INACTIVE	SIZE (Acres)	PROXIMITY TO STREAM (feet)	POTENTIAL HAZARD
POND 1	active	1.32	1000	high
POND 2	active	1.22	1000	high
POND 3	active	1.62	1000	high
POND 4	active	2.30	1000	high
POND 5	active	4.40	1000	low
POND 6				
POND 7				
POND 8				
POND 9				
POND 10				
POND 11				

LOCATION

COUNTY: CH

LAND OWNER: Seven Star Aggregates

BASIN CODE: 02140109

TAX MAP PAGES: 23

RIVER/STREAM:

LIBER: 766

Clark Run

MD GRID COORDINATES:

FOLIO: 205

NORTH: 270

EAST : 810

ACRES: 104.67

PARCEL NUMBER: 12

See appendix I, page(s) 57-61 for specific details on individual ponds.

**Department of Natural Resources
Water Resources Administration
Surface Mining Division**

COMPANY NAME: SOMAR

SITE NUMBER: CH2-80-SP-0633

NUMBER OF PONDS ON SITE: 0

	ACTIVE/INACTIVE	SIZE (Acres)	PROXIMITY TO STREAM (feet)	POTENTIAL HAZARD
POND 1				
POND 2				
POND 3				
POND 4				
POND 5				
POND 6				
POND 7				
POND 8				
POND 9				
POND 10				
POND 11				

LOCATION

COUNTY: CH

LAND OWNER: ST.Charles Associates

BASIN CODE: 02140108

TAX MAP PAGES: 24

RIVER/STREAM:

LIBER: 454

Zekiah Swamp

MD GRID COORDINATES:

FOLIO: 21

NORTH: 262

ACRES: 2394.65

EAST : 828

PARCEL NUMBER: 1

See appendix I, page(s) 62 for specific details on individual ponds.

**Department of Natural Resources
Water Resources Administration
Surface Mining Division**

COMPANY NAME: CHARLES COUNTY SAND AND GRAVEL

SITE NUMBER: CH3

NUMBER OF PONDS ON SITE: 4

	ACTIVE/INACTIVE	SIZE (Acres)	PROXIMITY TO STREAM (feet)	POTENTIAL HAZARD
POND 1	active	6.30	2500	low
POND 2	active	4.90	2500	low
POND 3	inactive	2.14	2300	intermediate
POND 4	inactive	3.41	2300	low
POND 5				
POND 6				
POND 7				
POND 8				
POND 9				
POND 10				
POND 11				

LOCATION

COUNTY: CH

LAND OWNER: Charles County Sand and Gravel

BASIN CODE: 02140108

TAX MAP PAGES: 24

RIVER/STREAM:

LIBER: 963

Jordan Swamp

MD GRID COORDINATES:

FOLIO: 231

NORTH: 289

ACRES: 63.66

EAST : 833

PARCEL NUMBER: 5

See appendix I, page(s) 63-66 for specific details on individual ponds.

**Department of Natural Resources
Water Resources Administration
Surface Mining Division**

COMPANY NAME: GOOSE BAY AGGREGATES

SITE NUMBER: CH4-82-SP-0139

NUMBER OF PONDS ON SITE: 9

	ACTIVE/INACTIVE	SIZE (Acres)	PROXIMITY TO STREAM (feet)	POTENTIAL HAZARD
POND 1	active	6.00	3100	low
POND 2	active	7.86	3100	low
POND 3	active	3.63	3100	low
POND 4	inactive	0.44	3100	low
POND 5	inactive	0.72	3100	low
POND 6	inactive	3.90	3100	low
POND 7	active	1.26	3100	intermediate
POND 8	active	2.11	3100	intermediate
POND 9	active	4.46	3100	intermediate
POND 10				
POND 11				

LOCATION

COUNTY: CH

LAND OWNER: Goose Bay Aggregates

BASIN CODE: 02141102

TAX MAP PAGES: 40

RIVER/STREAM:
Potomac River

LIBER: 1043

MD GRID COORDINATES:

FOLIO: 135

NORTH: 245

ACRES: 312

EAST : 732

PARCEL NUMBER: 5,128

See appendix I, page(s) 67-75 for specific details on individual ponds.

DORCHESTER COUNTY



- 1 W. Lloyd Fooks
2 Eldobrook Sand & Gravel
3 Johnson T. Shufelt
4 Eastern Corporation

**Department of Natural Resources
Water Resources Administration
Surface Mining Division**

COMPANY NAME: FOOKS SAND AND GRAVEL

SITE NUMBER: D01-77-SP-0105

NUMBER OF PONDS ON SITE: 1

	ACTIVE/INACTIVE	SIZE (Acres)	PROXIMITY TO STREAM (feet)	POTENTIAL HAZARD
POND 1	active	6.19	1000	none
POND 2				
POND 3				
POND 4				
POND 5				
POND 6				
POND 7				
POND 8				
POND 9				
POND 10				
POND 11				

LOCATION

COUNTY: DO

LAND OWNER: W.Lloyd Fooks

BASIN CODE: 02130403

TAX MAP PAGES: 5

RIVER/STREAM:

LIBER: 163

Gravel Run

MD GRID COORDINATES:

FOLIO: 511

NORTH: 308

ACRES: 92.15

EAST : 1117

PARCEL NUMBER: 15,87

See appendix I, page(s) 76

for specific details on individual ponds.

**Department of Natural Resources
Water Resources Administration
Surface Mining Division**

COMPANY NAME: ELDOBROOK SAND AND GRAVEL

SITE NUMBER: DO2-86-SP-0243

NUMBER OF PONDS ON SITE: 1

	ACTIVE/INACTIVE	SIZE (Acres)	PROXIMITY TO STREAM (feet)	POTENTIAL HAZARD
POND 1	active	0.66	3100	none
POND 2				
POND 3				
POND 4				
POND 5				
POND 6				
POND 7				
POND 8				
POND 9				
POND 10				
POND 11				

LOCATION

COUNTY: DO

LAND OWNER: Thomas L. Barnett

BASIN CODE: 02130306

TAX MAP PAGES: 35

RIVER/STREAM:

LIBER: 226

Marshy Hope Creek

MD GRID COORDINATES:

FOLIO: 319

NORTH: 275

ACRES: 61.20

EAST : 1141

PARCEL NUMBER: 66

See appendix I, page(s) 77 for specific details on individual ponds.

**Department of Natural Resources
Water Resources Administration
Surface Mining Division**

COMPANY NAME: JOHNSON T. SHUFELT

SITE NUMBER: DO3-77-SP-0098

NUMBER OF PONDS ON SITE:

	ACTIVE/INACTIVE	SIZE (Acres)	PROXIMITY TO STREAM (feet)	POTENTIAL HAZARD
POND 1	active		400	none
POND 2				
POND 3				
POND 4				
POND 5				
POND 6				
POND 7				
POND 8				
POND 9				
POND 10				
POND 11				

LOCATION

COUNTY: DO

LAND OWNER: Johnson T.Shufelt

BASIN CODE: 02130403

TAX MAP PAGES: 13

RIVER/STREAM:

LIBER: 218

Warwick River

MD GRID COORDINATES:

FOLIO: 75

NORTH: 282

ACRES: 104.40

EAST : 1100

PARCEL NUMBER: 16

See appendix I, page(s) 78

for specific details on individual ponds.

**Department of Natural Resources
Water Resources Administration
Surface Mining Division**

COMPANY NAME: EASTERN CORPORATION

SITE NUMBER: DO4-77-SP-0100

NUMBER OF PONDS ON SITE:

	ACTIVE/INACTIVE	SIZE (Acres)	PROXIMITY TO STREAM (feet)	POTENTIAL HAZARD
POND 1	active		50	low
POND 2				
POND 3				
POND 4				
POND 5				
POND 6				
POND 7				
POND 8				
POND 9				
POND 10				
POND 11				

LOCATION

COUNTY: DO

LAND OWNER: Eastern Corporation

BASIN CODE: 02130306

TAX MAP PAGES: 7

RIVER/STREAM:

LIBER:

Marshy Hope Creek

FOLIO:

MD GRID COORDINATES:

NORTH: 304

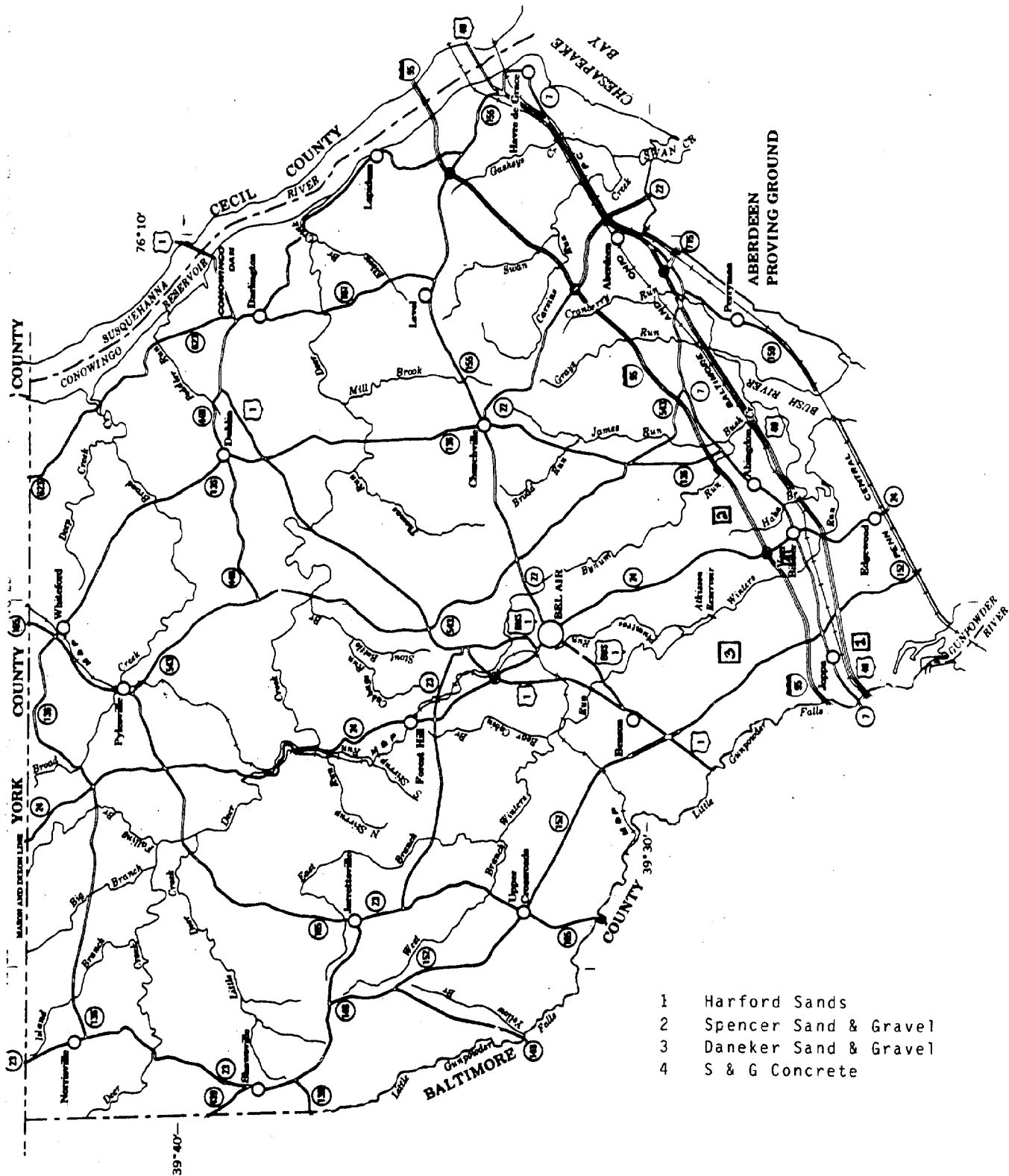
ACRES: 176.45

EAST : 1149

PARCEL NUMBER: 30

See appendix I, page(s) 79 for specific details on individual ponds.

HARFORD COUNTY



**Department of Natural Resources
Water Resources Administration
Surface Mining Division**

COMPANY NAME: HARFORD SANDS, INC.

SITE NUMBER: HA1-77-SP-0089

NUMBER OF PONDS ON SITE: 1

	ACTIVE/INACTIVE	SIZE (Acres)	PROXIMITY TO STREAM (feet)	POTENTIAL HAZARD
POND 1	active	8.90	100	high
POND 2				
POND 3				
POND 4				
POND 5				
POND 6				
POND 7				
POND 8				
POND 9				
POND 10				
POND 11				

LOCATION

COUNTY: HA

LAND OWNER: Stancills, Inc.

BASIN CODE: 02130801

TAX MAP PAGES: 65

RIVER/STREAM:

LIBER: 308

unnamed trib.to Gunpowder

MD GRID COORDINATES:

FOLIO: 401

NORTH: 573

ACRES: 90.4

EAST : 988

PARCEL NUMBER: 320

ee appendix I, page(s) 80

for specific details on individual ponds.

**Department of Natural Resources
Water Resources Administration
Surface Mining Division**

COMPANY NAME: SPENCER SAND AND GRAVEL

SITE NUMBER: HA2-77-SP-0076

NUMBER OF PONDS ON SITE: 2

	ACTIVE/INACTIVE	SIZE (Acres)	PROXIMITY TO STREAM (feet)	POTENTIAL HAZARD
POND 1	inactive	0.27	5000	none
POND 2	inactive	0.55	5000	none
POND 3				
POND 4				
POND 5				
POND 6				
POND 7				
POND 8				
POND 9				
POND 10				
POND 11				

LOCATION

COUNTY: HA

LAND OWNER: Spencer Sand and Gravel

BASIN CODE: 02130704

TAX MAP PAGES: 62

RIVER/STREAM:

LIBER: 675

Bush Run Tributary

MD GRID COORDINATES:

FOLIO: 511

NORTH: 597

ACRES: 58.92

EAST : 1001

PARCEL NUMBER: 2

See appendix I, page(s) 81-82 for specific details on individual ponds.

**Department of Natural Resources
Water Resources Administration
Surface Mining Division**

COMPANY NAME: DANEKER SAND AND GRAVEL

SITE NUMBER: HA3-79-SP-0119

NUMBER OF PONDS ON SITE: 2

	ACTIVE/INACTIVE	SIZE (Acres)	PROXIMITY TO STREAM (feet)	POTENTIAL HAZARD
POND 1	inactive	0.39	2000	none
POND 2	inactive	0.45	2000	none
POND 3				
POND 4				
POND 5				
POND 6				
POND 7				
POND 8				
POND 9				
POND 10				
POND 11				

LOCATION

COUNTY: HA

LAND OWNER: M.E.Daneker

BASIN CODE: 02130702

TAX MAP PAGES: 61

RIVER/STREAM:

LIBER: 1005

Winters Run Tributary

MD GRID COORDINATES:

FOLIO: 870

NORTH: 593

ACRES: 51.3

EAST : 983

PARCEL NUMBER: 74

ee appendix I, page(s) 83-84 for specific details on individual ponds.

**Department of Natural Resources
Water Resources Administration
Surface Mining Division**

COMPANY NAME: S AND G CONCRETE

SITE NUMBER: HA4-83-SP-0149

NUMBER OF PONDS ON SITE: 3

	ACTIVE/INACTIVE	SIZE (Acres)	PROXIMITY TO STREAM (feet)	POTENTIAL HAZARD
POND 1	active	1.92	1500	none
POND 2	active	1.15	1500	low
POND 3	active	2.56	1500	low
POND 4				
POND 5				
POND 6				
POND 7				
POND 8				
POND 9				
POND 10				
POND 11				

LOCATION

COUNTY: HA

LAND OWNER: S&G Concrete

BASIN CODE: 02130702

TAX MAP PAGES: 61

RIVER/STREAM:

LIBER: 306

Winters Run

MD GRID COORDINATES:

FOLIO: 296

NORTH: 589

ACRES: 223

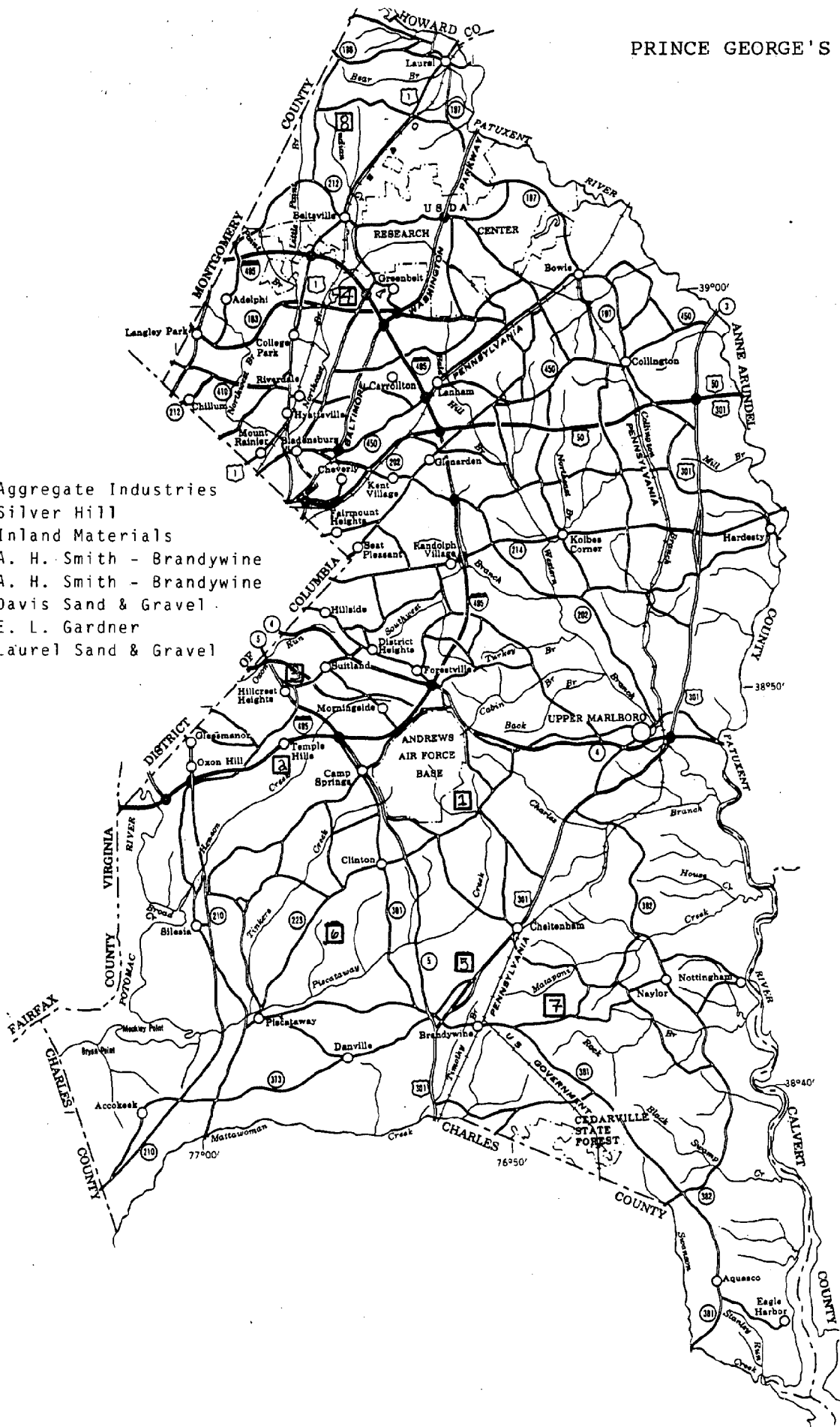
EAST : 993

PARCEL NUMBER: 147

See appendix I, page(s) 85-87 for specific details on individual ponds.

PRINCE GEORGE'S COUNTY

- 1 Aggregate Industries
- 2 Silver Hill
- 3 Inland Materials
- 4 A. H. Smith - Brandywine
- 5 A. H. Smith - Brandywine
- 6 Davis Sand & Gravel
- 7 E. L. Gardner
- 8 Laurel Sand & Gravel



**Department of Natural Resources
Water Resources Administration
Surface Mining Division**

COMPANY NAME: AGGREGATE INDUSTRIES

SITE NUMBER: PG1

NUMBER OF PONDS ON SITE: 1

	ACTIVE/INACTIVE	SIZE (Acres)	PROXIMITY TO STREAM (feet)	POTENTIAL HAZARD
POND 1	active	5.41	30000	low
POND 2				
POND 3				
POND 4				
POND 5				
POND 6				
POND 7				
POND 8				
POND 9				
POND 10				
POND 11				

LOCATION

COUNTY: PG

LAND OWNER: Rockville Crushed Stone

BASIN CODE: 02140201

TAX MAP PAGES: 108

RIVER/STREAM:

LIBER: 6358

Piscataway Creek

MD GRID COORDINATES:

FOLIO: 705

NORTH: 350

ACRES: 50

EAST : 841

PARCEL NUMBER: 38

see appendix I, page(s) 88

for specific details on individual ponds.

**Department of Natural Resources
Water Resources Administration
Surface Mining Division**

COMPANY NAME: SILVER HILL

SITE NUMBER: PG2

NUMBER OF PONDS ON SITE: 1

	ACTIVE/INACTIVE	SIZE (Acres)	PROXIMITY TO STREAM (feet)	POTENTIAL HAZARD
POND 1	active	4.64	20000	none
POND 2				
POND 3				
POND 4				
POND 5				
POND 6				
POND 7				
POND 8				
POND 9				
POND 10				
POND 11				

LOCATION

COUNTY: PG

LAND OWNER: Silver Hill

BASIN CODE: 02140204

TAX MAP PAGES: 106

RIVER/STREAM:

LIBER: 5947

Henson Creek

MD GRID COORDINATES:

FOLIO: 607

NORTH: 359

ACRES: 34.79

EAST : 809

PARCEL NUMBER: 343

See appendix I, page(s) 89 for specific details on individual ponds.

**Department of Natural Resources
Water Resources Administration
Surface Mining Division**

COMPANY NAME: INLAND MATERIALS

SITE NUMBER: PG3

NUMBER OF PONDS ON SITE: 2

	ACTIVE/INACTIVE	SIZE (Acres)	PROXIMITY TO STREAM (feet)	POTENTIAL HAZARD
POND 1	active	4.43	60000	low
POND 2	active	1.24	60000	none
POND 3				
POND 4				
POND 5				
POND 6				
POND 7				
POND 8				
POND 9				
POND 10				
POND 11				

LOCATION

COUNTY: PG

LAND OWNER: Inland Materials

BASIN CODE: 02140204

TAX MAP PAGES: 88

RIVER/STREAM:

LIBER: 5188

Oxon Run

MD GRID COORDINATES:

FOLIO: 414

NORTH: 369

ACRES: 62.73

EAST : 810

PARCEL NUMBER: 237

see appendix I, page(s) 90-91 for specific details on individual ponds.

**Department of Natural Resources
Water Resources Administration
Surface Mining Division**

COMPANY NAME: A. H. SMITH-BRANCHVILLE

SITE NUMBER: PG4

NUMBER OF PONDS ON SITE:

	ACTIVE/INACTIVE	SIZE (Acres)	PROXIMITY TO STREAM (feet)	POTENTIAL HAZARD
POND 1				
POND 2				
POND 3				
POND 4				
POND 5				
POND 6				
POND 7				
POND 8				
POND 9				
POND 10				
POND 11				

LOCATION

COUNTY: PG

LAND OWNER: A.H.Smith

BASIN CODE:

TAX MAP PAGES:

RIVER/STREAM:

LIBER:

MD GRID COORDINATES:

FOLIO:

NORTH: 0

ACRES:

EAST : 0

PARCEL NUMBER:

See appendix I, page(s) 92 for specific details on individual ponds.

**Department of Natural Resources
Water Resources Administration
Surface Mining Division**

COMPANY NAME: A. H. SMITH-BRANDYWINE

SITE NUMBER: PG5

NUMBER OF PONDS ON SITE:

	ACTIVE/INACTIVE	SIZE (Acres)	PROXIMITY TO STREAM (feet)	POTENTIAL HAZARD
POND 1				
POND 2				
POND 3				
POND 4				
POND 5				
POND 6				
POND 7				
POND 8				
POND 9				
POND 10				
POND 11				

LOCATION

COUNTY: PG

LAND OWNER: A.H.Smith

BASIN CODE:

TAX MAP PAGES:

RIVER/STREAM:

LIBER:

MD. GRID COORDINATES:

FOLIO:

NORTH: 0

ACRES:

EAST : 0

PARCEL NUMBER:

See appendix I, page(s) 93 for specific details on individual ponds.

**Department of Natural Resources
Water Resources Administration
Surface Mining Division**

COMPANY NAME: DAVIS SAND AND GRAVEL

SITE NUMBER: PG6

NUMBER OF PONDS ON SITE:

	ACTIVE/INACTIVE	SIZE (Acres)	PROXIMITY TO STREAM (feet)	POTENTIAL HAZARD
POND 1				
POND 2				
POND 3				
POND 4				
POND 5				
POND 6				
POND 7				
POND 8				
POND 9				
POND 10				
POND 11				

LOCATION

COUNTY: PG

LAND OWNER: A.H.Smith

BASIN CODE:

TAX MAP PAGES: 125

RIVER/STREAM:

LIBER: 1391

MD GRID COORDINATES:

FOLIO: 435

NORTH: 0

ACRES: 70.38

EAST : 0

PARCEL NUMBER: 62

See appendix I, page(s) 94

for specific details on individual ponds.

**Department of Natural Resources
Water Resources Administration
Surface Mining Division**

COMPANY NAME: E.L. GARDNER

SITE NUMBER: PG7-77-SP-0013

NUMBER OF PONDS ON SITE: 4

	ACTIVE/INACTIVE	SIZE (Acres)	PROXIMITY TO STREAM (feet)	POTENTIAL HAZARD
POND 1	active	0.68	20000	none
POND 2	active	0.60	20000	none
POND 3	active	0.30	20000	none
POND 4	active	1.55	20000	none
POND 5				
POND 6				
POND 7				
POND 8				
POND 9				
POND 10				
POND 11				

LOCATION

COUNTY: PG

LAND OWNER: E.L.Gardner

BASIN CODE: 02131102

TAX MAP PAGES: 146

RIVER/STREAM:

LIBER: 4953

Rock Creek

MD GRID COORDINATES:

FOLIO: 853

NORTH: 317

ACRES: 449.25

EAST : 853

PARCEL NUMBER: 151

see appendix I, page(s) 95-98 for specific details on individual ponds.

**Department of Natural Resources
Water Resources Administration
Surface Mining Division**

COMPANY NAME: LAUREL SAND AND GRAVEL

SITE NUMBER: PG8

NUMBER OF PONDS ON SITE: 4

	ACTIVE/INACTIVE	SIZE (Acres)	PROXIMITY TO STREAM (feet)	POTENTIAL HAZARD
POND 1	active	15.52	20000	low
POND 2	active	18.68	20000	low
POND 3	active	29.09	20000	low
POND 4	active	7.90	20000	low
POND 5				
POND 6				
POND 7				
POND 8				
POND 9				
POND 10				
POND 11				

LOCATION

COUNTY: PG

LAND OWNER: B.A.LTD.Partnership

BASIN CODE: 02140205

TAX MAP PAGES: 5

RIVER/STREAM:

LIBER: 5511

Indian Creek

MD GRID COORDINATES:

FOLIO: 392

NORTH: 465

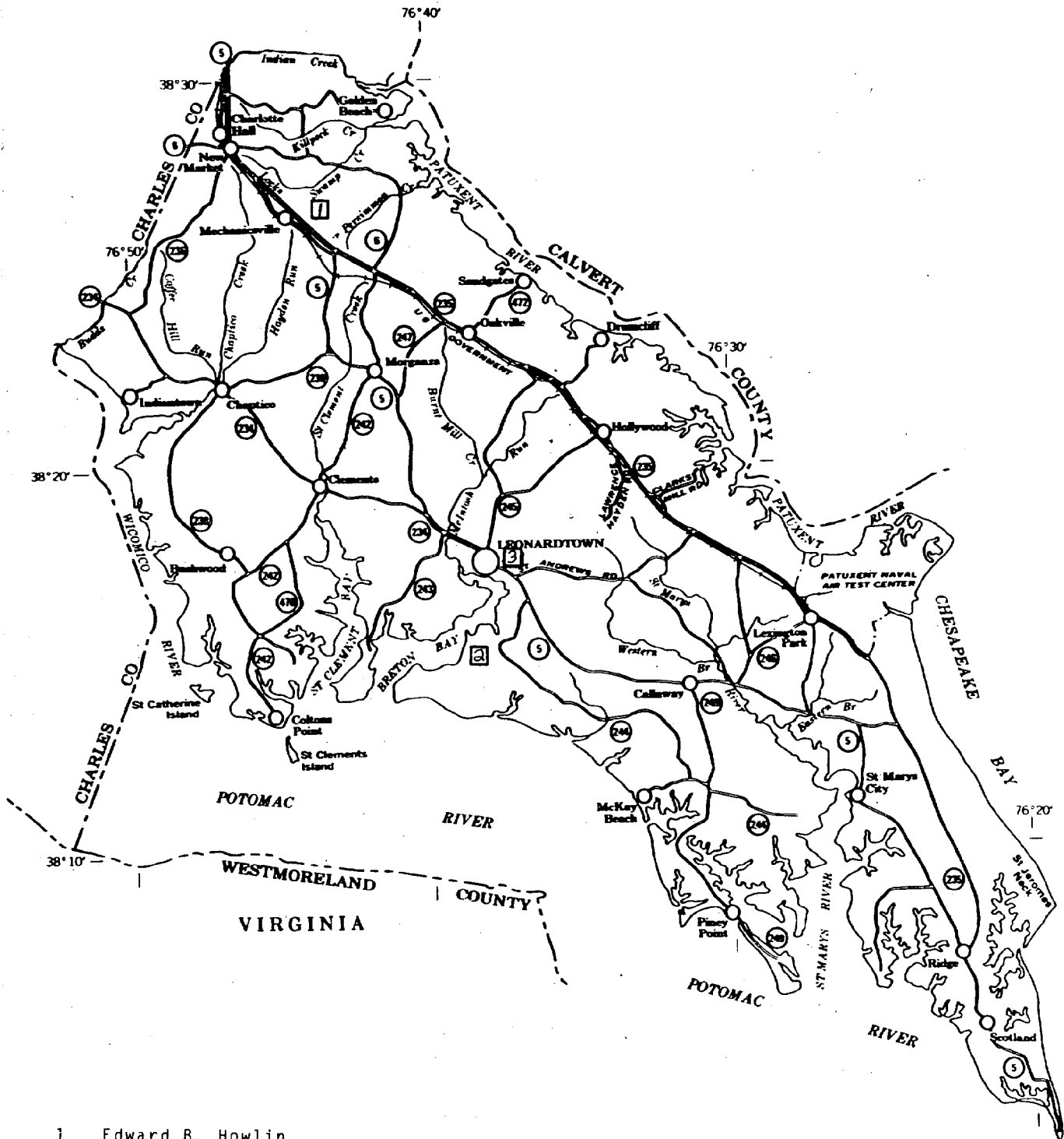
ACRES: 55.23

EAST : 829

PARCEL NUMBER: 136

See appendix I, page(s) 99-102 for specific details on individual ponds.

ST. MARY'S COUNTY



- 1 Edward B. Howlin
- 2 Maryland Rock
- 3 Leonardtown Sand & Gravel

**Department of Natural Resources
Water Resources Administration
Surface Mining Division**

COMPANY NAME: EDWARD B. HOWLIN

SITE NUMBER: SM1

NUMBER OF PONDS ON SITE: 4

	ACTIVE/INACTIVE	SIZE (Acres)	PROXIMITY TO STREAM (feet)	POTENTIAL HAZARD
POND 1	active	1.27	200	high
POND 2	active .	0.53	500	low
POND 3	active	0.50	700	low
POND 4	active	0.63	900	low
POND 5				
POND 6				
POND 7				
POND 8				
POND 9				
POND 10				
POND 11				

LOCATION

COUNTY: SM

LAND OWNER: Edward B.Howlin

BASIN CODE: 02140107

TAX MAP PAGES: 4

RIVER/STREAM:

LIBER:

Swamp Creek

MD GRID COORDINATES:

FOLIO:

NORTH: 225

EAST : 869

ACRES: 16.07

PARCEL NUMBER: 27-9,426

See appendix I, page(s) 103-106 for specific details on individual ponds.

**Department of Natural Resources
Water Resources Administration
Surface Mining Division**

COMPANY NAME: MARYLAND ROCK INDUSTRIES, INC.

SITE NUMBER: SM2-77-SP-0119

NUMBER OF PONDS ON SITE: 8

	ACTIVE/INACTIVE	SIZE (Acres)	PROXIMITY TO STREAM (feet)	POTENTIAL HAZARD
POND 1	active	0.82	2000	low
POND 2	active	0.79	2000	low
POND 3	active	0.78	2000	low
POND 4	active	0.76	2000	low
POND 5	active	1.07	2000	low
POND 6	active	0.98	1700	low
POND 7	active	0.39	1500	low
POND 8	active	0.76	1500	low
POND 9				
POND 10				
POND 11				

LOCATION

COUNTY: SM

LAND OWNER: Florida Rock

BASIN CODE: 02140104

TAX MAP PAGES: 48

RIVER/STREAM:

LIBER: 294

Breton Bay

MD GRID COORDINATES:

FOLIO: 177

NORTH: 902

ACRES: 306.49

EAST : 155

PARCEL NUMBER: 64

See appendix I, page(s) 107-114 for specific details on individual ponds.

**Department of Natural Resources
Water Resources Administration
Surface Mining Division**

COMPANY NAME: LEONARDTOWN SAND AND GRAVEL

SITE NUMBER: SM3

NUMBER OF PONDS ON SITE: 6

	ACTIVE/INACTIVE	SIZE (Acres)	PROXIMITY TO STREAM (feet)	POTENTIAL HAZARD
POND 1	active	1.34	800	intermediate
POND 2	active	1.19	800	high
POND 3	active	0.76	800	intermediate
POND 4	active	0.37	20	low
POND 5	active	0.19	20	low
POND 6	active	0.30	20	low
POND 7				
POND 8				
POND 9				
POND 10				
POND 11				

LOCATION

COUNTY: SM

LAND OWNER: Leonardtown Sand and Gravel

BASIN CODE: 02140103

TAX MAP PAGES: 41

RIVER/STREAM:

LIBER: 164

Glebe Run, Gravelly Run

MD GRID COORDINATES:

FOLIO: 225

NORTH: 165

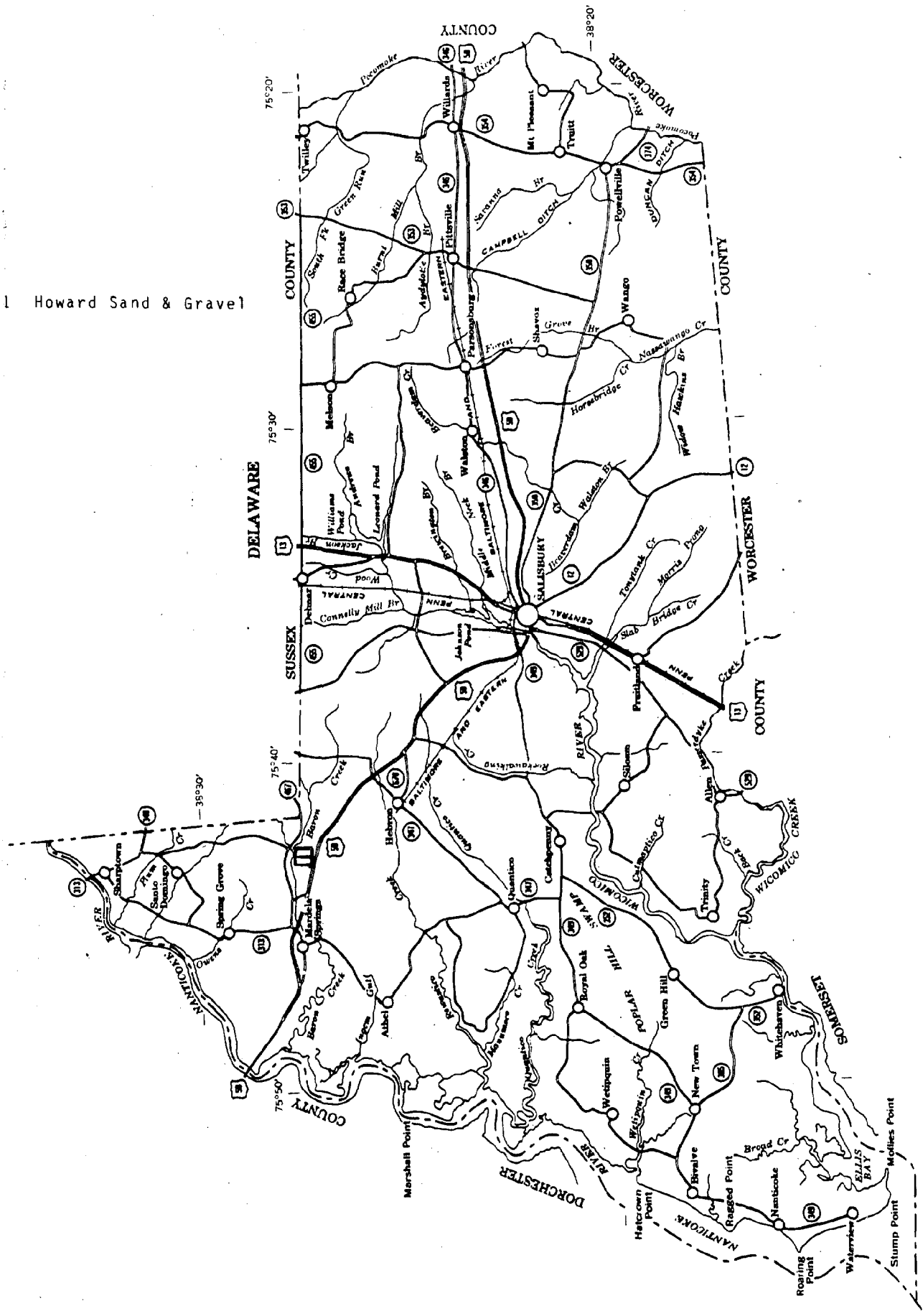
ACRES: 236.71

EAST : 910

PARCEL NUMBER: 27

See appendix I, page(s) 115-120 for specific details on individual ponds.

1 Howard Sand & Gravel



**Department of Natural Resources
Water Resources Administration
Surface Mining Division**

COMPANY NAME: HOWARD SAND AND GRAVEL

SITE NUMBER: WI1-77-SP-0094

NUMBER OF PONDS ON SITE: 1

	ACTIVE/INACTIVE	SIZE (Acres)	PROXIMITY TO STREAM (feet)	POTENTIAL HAZARD
POND 1	active	8.86	150	low
POND 2				
POND 3				
POND 4				
POND 5				
POND 6				
POND 7				
POND 8				
POND 9				
POND 10				
POND 11				

LOCATION

COUNTY: WI

LAND OWNER: Howard Sand and Gravel

BASIN CODE: 02130305

TAX MAP PAGES: 9

RIVER/STREAM:

LIBER: 626

Barren Creek

MD GRID COORDINATES:

FOLIO: 62

NORTH: 231

ACRES: 41.55

EAST : 1167

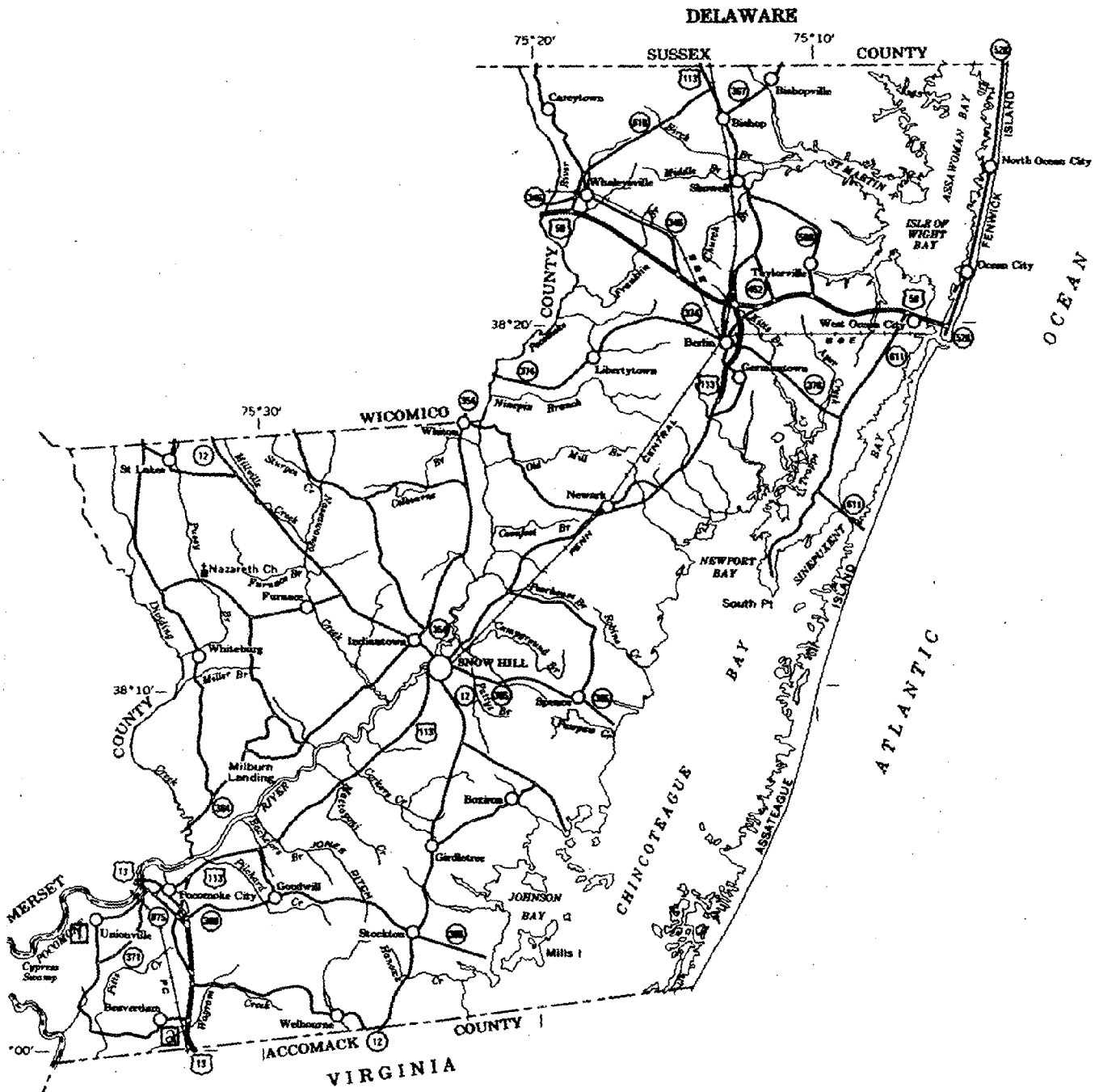
PARCEL NUMBER: 28

see appendix I, page(s)

121

for specific details on individual ponds.

WORCESTER COUNTY



- 1 Blades Materials
- 2 Lance J. Eller

**Department of Natural Resources
Water Resources Administration
Surface Mining Division**

COMPANY NAME: BLADES MATERIALS, INC.

SITE NUMBER: WO1-77-SP-0032

NUMBER OF PONDS ON SITE: 1

	ACTIVE/INACTIVE	SIZE (Acres)	PROXIMITY TO STREAM (feet)	POTENTIAL HAZARD
POND 1	active	128.00	20	low
POND 2				
POND 3				
POND 4				
POND 5				
POND 6				
POND 7				
POND 8				
POND 9				
POND 10				
POND 11				

LOCATION

COUNTY: WO

LAND OWNER: Blades Materials, Inc.

BASIN CODE: 02130202

TAX MAP PAGES: 83, 91

RIVER/STREAM:

LIBER: 474

Pocomoke River

MD GRID COORDINATES:

FOLIO: 496

NORTH: 86

ACRES: 489

EAST : 1200

PARCEL NUMBER: 76-9, 31-2

see appendix I, page(s) 122 for specific details on individual ponds.

**Department of Natural Resources
Water Resources Administration
Surface Mining Division**

COMPANY NAME: LANCE J. ELLER, INC.

SITE NUMBER: WO2-77-SP-0123

NUMBER OF PONDS ON SITE: 1

	ACTIVE/INACTIVE	SIZE (Acres)	PROXIMITY TO STREAM (feet)	POTENTIAL HAZARD
POND 1	active	3.00	300	low
POND 2				
POND 3				
POND 4				
POND 5				
POND 6				
POND 7				
POND 8				
POND 9				
POND 10				
POND 11				

LOCATION

COUNTY: WO

LAND OWNER: Lance J. Eller

BASIN CODE: 02130202

TAX MAP PAGES: 100

RIVER/STREAM:

LIBER: 312

Wagram

MD GRID COORDINATES:

FOLIO: 346

NORTH: 63

ACRES: 132.5

EAST : 1217

PARCEL NUMBER: 14

See appendix I, page(s) 123 for specific details on individual ponds.

**LIST OF SITES WITH A
HIGH POTENTIAL HAZARD
FOR ONE OR MORE PONDS**

V.

SITES WITH HIGH POTENTIAL HAZARDS FOR ONE OR MORE PONDS

<u>SITE #</u>	<u>COMPANY NAME</u>	<u>PAGE(S)</u>
<u>ANNE ARUNDEL COUNTY</u>		
AA2-77-SP-0026	Annapolis Sand and Gravel	I - 4
AA3-84-SP-0180	Laurel Sand and Gravel	I - 8
<u>CHARLES COUNTY</u>		
CH1-87-SP-0249	Seven Star Aggregates	I - 57-60
<u>HARFORD COUNTY</u>		
HA1-77-SP-0089	Harford Sands, Inc.	I - 80
<u>ST. MARY'S COUNTY</u>		
SM1	Edward B. Howlin	I - 103
SM3	Leonardtown Sand and Gravel	I - 116

CONCLUSIONS/RECOMMENDATIONS

Of the thirty-six sites visited, no two were alike. The sites varied in many aspects including whether or not it was an active mining site, if there was a river or stream on or adjacent to the property, the number of ponds at the site, and the condition of the ponds. All of these factors were taken into consideration when assessing the potential hazards of any given pond. At some sites the entire pond system appeared stable, other sites had problems with a single pond and some sites had problems with many aspects of the pond system.

Two sites in Anne Arundel County have pond systems which are representative of a desirable system. The ponds have Soil Conservation District approval and were built to Soil Conservation Service specifications. The ponds at both sites were well vegetated with grass and are maintained on a regular basis.

One of the sites in St. Mary's County is a good example of a site with a single pond which presents high potential hazards. This site is a wash plant with a pond system that is not located at a surface mine. All four ponds would benefit from better vegetation. The one pond labelled as having a high potential hazard is an embankment pond. The height of the pond embankment is $30 \pm$ feet; the embankment also was covered with trees. It is unknown whether or not the material was compacted during construction. Because that information was unavailable, it was felt by the author best to label the pond as having a high potential hazard.

Another site in St. Mary's County is representative of a site with several ponds that are improperly built and maintained and present high potential hazards. No mining occurs at this site so routine inspections are not made. The first three ponds encountered are surrounded by one main embankment and then broken apart internally by separator dikes. The top width of the main dike varies from 1 foot to 10 feet and the height of the embankment also varies in different areas of the pond. The material comprising the embankment is uncompacted and appears to be pushed up to increase the capacity of the ponds. Only one pond was labelled as having a high potential hazard; the embankment around that pond was in poor condition and large amounts of uncompacted material were being added to make the embankment higher. The embankments for all these ponds should be graded to a minimum 2:1 slope, vegetatively stabilized, and properly maintained. No spillway was observed at these ponds. Gravelly Run and Glebe Run are approximately 800 feet from the ponds, increasing the potential hazards for sediment deposition in the event of failure of the embankment. The whole site would

benefit from a redesign of the pond system, vegetative stabilization, and maintenance.

These are a few examples of what distinguished the different sites. The sites highlighted are representative of what was encountered in the field. Every site could not be described in detail.

An overall problem found was non-existent, sparse or improper vegetation. All ponds benefit from dense grass coverage which protects the structure from erosion and allows inspections for potential weaknesses or problems to be done easily. Inspection of wash water settling ponds is necessary to ensure that any potential hazards or problems are corrected. Natural Resources Article sections 8-801 to 8-814 allow for inspection of these ponds and the initiation of necessary enforcement action. A large number of the ponds now in existence were built many years ago, making regulation more difficult. These ponds were not built to approved standards and specifications and retroactive requirements are difficult to impose. This emphasizes the necessity for operators to obtain pond approval before initiating construction. Frequent inspection of wash ponds would be beneficial to decreasing the potential hazard of an increased sediment load to waters of the State due to wash pond failure. Cooperation among various agencies, both State and local is essential as these ponds are necessary to the production of sand and gravel products. With education of the operators as to existing regulations and the proper construction and maintenance methods for the ponds, the agency responsible for their inspection should have fewer problems to address. As with any regulatory process, it is desirable to create a preventative attitude for dealing with a given situation rather than a correctional one.

It is recommended by the author that the operators be advised of existing regulations and requirements governing wash ponds. This could be accomplished by an explanatory note on the Application to Surface Mine, the Application to Appropriate Water and the Application to Discharge Water. Notification could also be accomplished through the Maryland Aggregates Association, Inc. Once the operators have been advised of the requirements, there should be no excuse for ponds constructed without approvals and improperly maintained. Sand and gravel operators should be notified before existing regulations are strictly enforced; perhaps an effective date should be set after which time all ponds will be strictly regulated. Once that mandate is made, it must be adhered to. The degree to which regulatory actions will be applied on ponds should be determined. In some cases, the ponds already in existence present so many problems that the best plan would be to reclaim them and redesign new structures.

The material from these ponds also presents a disposal problem for the operator. It is very fine, supersaturated and in order to maintain the capacity of the pond, the operator must clean out the material. If mixed with other types of material, the wash fines could be used in reclamation of the site. Although it is expensive, the flocculent method seems to be effective both in terms of being able to handle the material and removing potential hazards to the waters of the State. After a flocculent is used the wash fines are settled out in tanks at the plant before being removed to be used in reclamation of the site. This material is semi-dry, mixes well with topsoil and overburden, and therefore is easier to dispose of in the reclamation process.

The final dilemma for all concerned is reclamation of these ponds. The material in these ponds can be stored for years and only the top 2-5 feet will dry. Future development should not occur on an area containing unreclaimed wash ponds. The ponds should be reclaimed by dredging or dipping out the wash fines, mixing them with heavier material, removing the embankment and putting the material back into the pond area which should then be compacted, graded and vegetatively stabilized. The reclaimed area may also benefit from the application of sludge as a soil amendment to provide nutrients for a good vegetative cover.

Reclamation is particularly a problem at sites not associated with a surface mine since they are not governed by a permit. A requirement for reclamation could be established at the county level when zoning is approved, or when an application for a use and occupancy permit or a grading permit is made. Reclamation could then be a condition enforced by the appropriate county agency at sites not on or adjacent to an active surface mine. Therefore, the most effective means for taking care of the wash plant and pond regulatory issue is for State and local agencies to work together.

LITERATURE CITED

Maryland Soil Conservation Service
Standard and Specifications for Ponds 378-1,
approved for use in Maryland, July 1981

Maryland Soil Conservation Service
Standard and Specifications for
Basin for Dredged Material 350 - AA - 1,
approved for use in Maryland, November 1979

Annotated Code of Maryland
Section 4-413, 4-415, 8-801-8-814
Michie Company, Law Publishers 1974
Charlottesville, Va.

Maryland Dam Safety Manual
Water Resources Administration
Department of Natural Resources

A P P E N D I X 1

VIII.

LITERATURE CITED

VII.

**CONCLUSIONS/
RECOMMENDATIONS**

VI.

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: BRANDYWINE SAND AND GRAVEL

NO. OF PONDS ON SITE: 3

SITE NUMBER: AA1-78-SP-0018

NUMBER: 1

DESCRIPTION OF POND

POND IS: ☐ ACTIVE ☒ INACTIVE

POND TYPE: ☐ DUGOUT ☒ EMBANKMENT

SPILLWAY TYPE: ☒ BARREL W/RISER ☐ EMERGENCY ☐ PIPE ☐ NONE

SIZE (ACRES): 6.18

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
13	14.0	16.8	2.8	4.0:1

PROXIMITY TO STREAMS: 2500 FEET

LIFE EXPECTANCY:

POTENTIAL HAZARDS: low

PERMITS / APPROVALS: ☒ APPROPRIATION ☒ DISCHARGE ☒ SCD ☐ NONE

VEGETATION: ☐ VOID ☐ SPARSE ☒ DENSE
☒ GRASS ☐ WETLANDS VEGETATION ☒ SHRUBS ☒ TREES

LOCATION

COUNTY: AA

MARYLAND GRID COORDINATES

BASIN CODE: 02131104

NORTH: 405

EAST : 895

RIVER/STREAM: Patuxent River

REMARKS

Effluent from plant flows through this pond before discharging into pond 2.

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: BRANDYWINE SAND AND GRAVEL

NO. OF PONDS ON SITE: 3

SITE NUMBER: AA1-78-SP-0018

NUMBER: 2

DESCRIPTION OF POND

POND IS: ☒ ACTIVE ☐ INACTIVE

POND TYPE: ☒ DUGOUT ☐ EMBANKMENT

SPILLWAY TYPE: ☒ BARREL W/RISER ☐ EMERGENCY ☐ PIPE ☐ NONE

SIZE (ACRES): 3.80

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
				:1

PROXIMITY TO STREAMS: 3000 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: low

PERMITS / APPROVALS: ☒ APPROPRIATION ☒ DISCHARGE ☒ SCD ☐ NONE

VEGETATION: ☐ VOID ☒ SPARSE ☐ DENSE
☐ GRASS ☐ WETLANDS VEGETATION ☒ SHRUBS ☒ TREES

LOCATION

COUNTY: AA

MARYLAND GRID COORDINATES

BASIN CODE: 02131104

NORTH: 405

EAST : 895

RIVER/STREAM: Patuxent River

REMARKS

Once sides of pond are excavated and dredge spoil material is vegetatively stabilized, site should pose no problems.

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: BRANDYWINE SAND AND GRAVEL

NO. OF PONDS ON SITE: 3

SITE NUMBER: AA1-78-SP-0018

NUMBER: 3

DESCRIPTION OF POND

POND IS: ☐ ACTIVE ☒ INACTIVE

POND TYPE: ☐ DUGOUT ☒ EMBANKMENT

SPILLWAY TYPE: ☒ BARREL W/RISER ☐ EMERGENCY ☐ PIPE ☐ NONE

SIZE (ACRES): 7.23

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
11	1.4	7.1	5.7	3.5:1

PROXIMITY TO STREAMS: 2000 FEET

LIFE EXPECTANCY:

POTENTIAL HAZARDS: low

PERMITS / APPROVALS: ☒ APPROPRIATION ☒ DISCHARGE ☐ SCD ☐ NONE

VEGETATION: ☐ VOID ☐ SPARSE ☒ DENSE
☐ GRASS ☒ WETLANDS VEGETATION ☒ SHRUBS ☒ TREES

LOCATION

COUNTY: AA

MARYLAND GRID COORDINATES

BASIN CODE: 02131104

NORTH: 405

EAST : 895

RIVER/STREAM: Patuxent River

REMARKS

Abandoned pond, overgrown with wetlands vegetation; small trees and shrubs growing on embankment.

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: ANNAPOLIS SAND AND GRAVEL

NO. OF PONDS ON SITE: 1

SITE NUMBER: AA2-77-SP-0026

NUMBER: 1

DESCRIPTION OF POND

POND IS: ☒ ACTIVE

☐ INACTIVE

POND TYPE: ☒ DUGOUT

☒ EMBANKMENT

SPILLWAY TYPE: ☒ BARREL W/RISER

☐ EMERGENCY

☐ PIPE

☐ NONE

SIZE (ACRES): 45.85

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
16	10.8	13.2	2.3	4.0:1

PROXIMITY TO STREAMS: 50 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: high

PERMITS / APPROVALS: ☒ APPROPRIATION

☒ DISCHARGE

☐ SCD

☐ NONE

VEGETATION: ☒ VOID

☒ SPARSE ☐ DENSE

☒ GRASS

☐ WETLANDS VEGETATION

☐ SHRUBS

☐ TREES

LOCATION

COUNTY: AA

MARYLAND GRID COORDINATES

BASIN CODE: 02131105

NORTH: 397

EAST : 892

RIVER/STREAM: Patuxent River

REMARKS

Two plants at this site. Before channel was installed, material drained down gradient from plant. Part of pond grown in with wetlands vegetation and trees. Mudcat used to pump material to containment area on top of old pond area. Dredge spoil piled outside impoundment with no vegetative coverage or controls.

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: LAUREL SAND AND GRAVEL

NO. OF PONDS ON SITE: 6

SITE NUMBER: AA3-84-SP-0180

NUMBER: 1

DESCRIPTION OF POND

POND IS: ☒ ACTIVE ☐ INACTIVE

POND TYPE: ☐ DUGOUT ☒ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☒ PIPE ☐ NONE

SIZE (ACRES): 1.51

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
20	6.7	9.8	3.1	2.5:1

PROXIMITY TO STREAMS: 600 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: low

PERMITS / APPROVALS: ☒ APPROPRIATION ☐ DISCHARGE ☐ SCD ☐ NONE

VEGETATION: ☐ VOID ☒ SPARSE ☐ DENSE
☒ GRASS ☐ WETLANDS VEGETATION ☐ SHRUBS ☐ TREES

LOCATION

COUNTY: AA

MARYLAND GRID COORDINATES

BASIN CODE: 02131105

NORTH: 470

EAST : 860

RIVER/STREAM: Dorsey Run

REMARKS

closed system, lack of vegetation increases embankment erosion
problems and chance of failure.

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: LAUREL SAND AND GRAVEL

NO. OF PONDS ON SITE: 6

SITE NUMBER: AA3-84-SP-0180

NUMBER: 2

DESCRIPTION OF POND

POND IS: ☒ ACTIVE ☐ INACTIVE

POND TYPE: ☐ DUGOUT ☒ EMBANKMENT

SPILLWAY TYPE: ☒ BARREL W/RISER ☐ EMERGENCY ☐ PIPE ☐ NONE

SIZE (ACRES): 1.21

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
18	4.4	12.8	7.6	2.5:1

PROXIMITY TO STREAMS: 600 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: low

PERMITS / APPROVALS: ☒ APPROPRIATION ☐ DISCHARGE ☐ SCD ☐ NONE

VEGETATION: ☒ VOID ☐ SPARSE ☐ DENSE
☐ GRASS ☐ WETLANDS VEGETATION ☐ SHRUBS ☐ TREES

LOCATION

COUNTY: AA

MARYLAND GRID COORDINATES

BASIN CODE: 02131105

NORTH: 470

EAST : 860

RIVER/STREAM: Dorsey Run

REMARKS

Dense vegetation on outside bank, void on inside slope and crest.

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: LAUREL SAND AND GRAVEL

NO. OF PONDS ON SITE: 6

SITE NUMBER: AA3-84-SP-0180

NUMBER: 3

DESCRIPTION OF POND

POND IS: ☒ ACTIVE ☐ INACTIVE

POND TYPE: ☐ DUGOUT ☒ EMBANKMENT

SPILLWAY TYPE: ☒ BARREL W/RISER ☐ EMERGENCY ☐ PIPE ☐ NONE

SIZE (ACRES): 1.56

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
				:1

PROXIMITY TO STREAMS: 600 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: low

PERMITS / APPROVALS: ☒ APPROPRIATION ☐ DISCHARGE ☐ SCD ☐ NONE

VEGETATION: ☐ VOID ☐ SPARSE ☒ DENSE
☒ GRASS ☒ WETLANDS VEGETATION ☒ SHRUBS ☒ TREES

LOCATION

COUNTY: AA

MARYLAND GRID COORDINATES

BASIN CODE: 02131105

NORTH: 470

EAST : 860

RIVER/STREAM: Dorsey Run

REMARKS

Make up water pond, recieves discharge from pond 2, water pumped in from appropriation ponds to maintain water level for use in plant

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: LAUREL SAND AND GRAVEL

NO. OF PONDS ON SITE: 6

SITE NUMBER: AA3-84-SP-0180

NUMBER: 4

DESCRIPTION OF POND

POND IS: ☒ ACTIVE

☐ INACTIVE

POND TYPE: ☒ DUGOUT

☐ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER

☐ EMERGENCY

☒ PIPE

☐ NONE

SIZE (ACRES): 5.83

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
				:1

PROXIMITY TO STREAMS: 62000 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: high

PERMITS / APPROVALS: ☒ APPROPRIATION

☐ DISCHARGE

☐ SCD

☐ NONE

VEGETATION: ☐ VOID

☒ SPARSE ☐ DENSE

☐ GRASS

☒ WETLANDS VEGETATION

☒ SHRUBS

☒ TREES

LOCATION

COUNTY: AA

MARYLAND GRID COORDINATES

BASIN CODE: 02131105

NORTH: 470

EAST : 860

RIVER/STREAM: Dorsey Run

REMARKS

Material leaving upper end of pond running through cattails
around perimeter of structure to disturbed area on site.

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: LAUREL SAND AND GRAVEL

NO. OF PONDS ON SITE: 6

SITE NUMBER: AA3-84-SP-0180

NUMBER: 5

DESCRIPTION OF POND

POND IS: ☒ ACTIVE

☐ INACTIVE

POND TYPE: ☐ DUGOUT

☒ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☒ PIPE ☐ NONE

SIZE (ACRES): 8.18

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
16			0.7	1.5:1

PROXIMITY TO STREAMS: 62000 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: intermediate

PERMITS / APPROVALS: ☒ APPROPRIATION ☐ DISCHARGE ☐ SCD ☐ NONE

VEGETATION: ☐ VOID ☒ SPARSE ☐ DENSE

☐ GRASS ☒ WETLANDS VEGETATION ☒ SHRUBS ☒ TREES

LOCATION

COUNTY: AA

MARYLAND GRID COORDINATES

NORTH: 470

BASIN CODE: 02131105

EAST : 860

RIVER/STREAM: Dorsey Run

REMARKS

Potential hazards will vary dependent on amount of spoil in pond.
Chance of overtopping dike which is uncompacted material. Depth
and height can not be computed-tail water created by pond 4.

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: LAUREL SAND AND GRAVEL

NO. OF PONDS ON SITE: 6

SITE NUMBER: AA3-84-SP-0180

NUMBER: 6

DESCRIPTION OF POND

POND IS: ☒ ACTIVE ☐ INACTIVE

POND TYPE: ☐ DUGOUT ☒ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☒ PIPE ☐ NONE

SIZE (ACRES): 8.13

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
15	5.4	10.5	5.3	3.5:1

PROXIMITY TO STREAMS: 60000 FEET

LIFE EXPECTANCY: see remarks

POTENTIAL HAZARDS: intermediate

PERMITS / APPROVALS: ☒ APPROPRIATION ☐ DISCHARGE ☐ SCD ☐ NONE

VEGETATION: ☒ VOID ☐ SPARSE ☐ DENSE
☐ GRASS ☐ WETLANDS VEGETATION ☐ SHRUBS ☐ TREES

LOCATION

COUNTY: AA

MARYLAND GRID COORDINATES

BASIN CODE: 02131105

NORTH: 470

EAST : 860

RIVER/STREAM: Patuxent River

REMARKS

Dredge spoil pond, once full may be left to dry out. Connected by pipe to mudcat dredging lower pond.

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: GENSTAR -DAVIDSONVILLE

NO. OF PONDS ON SITE: 6

SITE NUMBER: AA4-77-SP-0035

NUMBER: 1

DESCRIPTION OF POND

POND IS: ☒ ACTIVE ☐ INACTIVE

POND TYPE: ☐ DUGOUT ☒ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☒ PIPE ☐ NONE

SIZE (ACRES): 23.50

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
27	24.5	25.9	1.5	1.5:1

PROXIMITY TO STREAMS: 1000 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: low

PERMITS / APPROVALS: ☐ APPROPRIATION ☐ DISCHARGE ☐ SCD ☒ NONE

VEGETATION: ☐ VOID ☒ SPARSE ☐ DENSE
☒ GRASS ☐ WETLANDS VEGETATION ☐ SHRUBS ☒ TREES

LOCATION

COUNTY: AA

MARYLAND GRID COORDINATES

BASIN CODE: 02131104

NORTH: 401

EAST : 891

RIVER/STREAM: Patuxent River

REMARKS

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: GENSTAR -DAVIDSONVILLE

NO. OF PONDS ON SITE: 6

SITE NUMBER: AA4-77-SP-0035

NUMBER: 2

DESCRIPTION OF POND

POND IS: ☒ ACTIVE

☐ INACTIVE

POND TYPE: ☒ DUGOUT

☐ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER

☐ EMERGENCY

☒ PIPE

☐ NONE

SIZE (ACRES): 4.30

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
				:1

PROXIMITY TO STREAMS: 800 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: none

PERMITS / APPROVALS: ☐ APPROPRIATION

☐ DISCHARGE

☐ SCD

☒ NONE

VEGETATION: ☐ VOID

☐ SPARSE

☒ DENSE

☒ GRASS

☐ WETLANDS VEGETATION

☐ SHRUBS

☐ TREES

LOCATION

COUNTY: AA

MARYLAND GRID COORDINATES

BASIN CODE: 02131104

NORTH: 401

EAST : 891

RIVER/STREAM: Patuxent River

REMARKS

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: GENSTAR -DAVIDSONVILLE

NO. OF PONDS ON SITE: 6

SITE NUMBER: AA4-77-SP-0035

NUMBER: 3

DESCRIPTION OF POND

POND IS: ☒ ACTIVE ☐ INACTIVE

POND TYPE: ☐ DUGOUT ☒ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☒ PIPE ☐ NONE

SIZE (ACRES): 3.70

TYPICAL SECTION:	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
	15	4.8	5.2	2.3	3.0:1

PROXIMITY TO STREAMS: 1000 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: low

PERMITS / APPROVALS: ☐ APPROPRIATION ☐ DISCHARGE ☐ SCD ☒ NONE

VEGETATION: ☒ VOID ☒ SPARSE ☐ DENSE
☐ GRASS ☐ WETLANDS VEGETATION ☐ SHRUBS ☒ TREES

LOCATION

COUNTY: AA

MARYLAND GRID COORDINATES

NORTH: 401

BASIN CODE: 02131104

EAST : 891

RIVER/STREAM: Patuxent River

REMARKS

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: GENSTAR -DAVIDSONVILLE

NO. OF PONDS ON SITE: 6

SITE NUMBER: AA4-77-SP-0035

NUMBER: 4

DESCRIPTION OF POND

POND IS: ☒ ACTIVE ☐ INACTIVE

POND TYPE: ☐ DUGOUT ☒ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☒ PIPE ☐ NONE

SIZE (ACRES): 1.67

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
15	4.8	5.2	2.3	3.0:1

PROXIMITY TO STREAMS: 1000 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: low

PERMITS / APPROVALS: ☐ APPROPRIATION ☐ DISCHARGE ☐ SCD ☒ NONE

VEGETATION: ☒ VOID ☐ SPARSE ☐ DENSE
☐ GRASS ☐ WETLANDS VEGETATION ☐ SHRUBS ☐ TREES

LOCATION

COUNTY: AA

MARYLAND GRID COORDINATES

BASIN CODE: 02131104

NORTH: 401

EAST : 891

RIVER/STREAM: Patuxent River

REMARKS

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: GENSTAR -DAVIDSONVILLE

NO. OF PONDS ON SITE: 6

SITE NUMBER: AA4-77-SP-0035

NUMBER: 5

DESCRIPTION OF POND

POND IS: ☒ ACTIVE ☐ INACTIVE

POND TYPE: ☒ DUGOUT ☐ EMBANKMENT

SPILLWAY TYPE: ☒ BARREL W/RISER ☐ EMERGENCY ☐ PIPE ☐ NONE

SIZE (ACRES): 0.95

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
				:1

PROXIMITY TO STREAMS: 1000 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: none

PERMITS / APPROVALS: ☐ APPROPRIATION ☐ DISCHARGE ☐ SCD ☒ NONE

VEGETATION: ☐ VOID ☐ SPARSE ☒ DENSE
☒ GRASS ☒ WETLANDS VEGETATION ☐ SHRUBS ☐ TREES

LOCATION

COUNTY: AA

MARYLAND GRID COORDINATES

BASIN CODE: 02131104

NORTH: 401

EAST : 891

RIVER/STREAM: Patuxent River

REMARKS

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: GENSTAR -DAVIDSONVILLE

NO. OF PONDS ON SITE: 6

SITE NUMBER: AA4-77-SP-0035

NUMBER: 6

DESCRIPTION OF POND

POND IS: ☒ ACTIVE ☐ INACTIVE

POND TYPE: ☐ DUGOUT ☒ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☐ PIPE ☒ NONE

SIZE (ACRES): 2.04

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
15	4.8	5.2	2.3	3.0:1

PROXIMITY TO STREAMS: 1000 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: low

PERMITS / APPROVALS: ☐ APPROPRIATION ☐ DISCHARGE ☐ SCD ☒ NONE

VEGETATION: ☐ VOID ☐ SPARSE ☒ DENSE
☒ GRASS ☐ WETLANDS VEGETATION ☐ SHRUBS ☒ TREES

LOCATION

COUNTY: AA

MARYLAND GRID COORDINATES

BASIN CODE: 02131104

NORTH: 401

EAST : 891

RIVER/STREAM: Patuxent River

REMARKS

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: CUNNINGHAM SAND AND GRAVEL

NO. OF PONDS ON SITE: 3

SITE NUMBER: AA5-78-SP-0087

NUMBER: 1

DESCRIPTION OF POND

POND IS: ☒ ACTIVE ☐ INACTIVE

POND TYPE: ☒ DUGOUT ☐ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☒ PIPE ☐ NONE

SIZE (ACRES): 1.48

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
				:1

PROXIMITY TO STREAMS: 1000 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: low

PERMITS / APPROVALS: ☒ APPROPRIATION ☒ DISCHARGE ☐ SCD ☐ NONE

VEGETATION: ☒ VOID ☐ SPARSE ☐ DENSE
☐ GRASS ☐ WETLANDS VEGETATION ☐ SHRUBS ☐ TREES

LOCATION

COUNTY: AA

MARYLAND GRID COORDINATES

BASIN CODE: 01131105

NORTH: 440

EAST : 890

RIVER/STREAM: Patuxent River

REMARKS

Closed system appears to be no discharge .

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: CUNNINGHAM SAND AND GRAVEL

NO. OF PONDS ON SITE: 3

SITE NUMBER: AA5-78-SP-0087

NUMBER: 2

DESCRIPTION OF POND

POND IS: ☒ ACTIVE ☐ INACTIVE

POND TYPE: ☒ DUGOUT ☐ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☒ PIPE ☐ NONE

SIZE (ACRES): 0.84

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
				:1

PROXIMITY TO STREAMS: 900 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: low

PERMITS / APPROVALS: ☒ APPROPRIATION ☒ DISCHARGE ☐ SCD ☐ NONE

VEGETATION: ☒ VOID ☐ SPARSE ☐ DENSE
☐ GRASS ☐ WETLANDS VEGETATION ☐ SHRUBS ☐ TREES

LOCATION

COUNTY: AA

MARYLAND GRID COORDINATES

BASIN CODE: 01131105

NORTH: 440

EAST : 890

RIVER/STREAM: Patuxent River

REMARKS

Closed system, appears to be no discharge.

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: CUNNINGHAM SAND AND GRAVEL

NO. OF PONDS ON SITE: 3

SITE NUMBER: AA5-78-SP-0087

NUMBER: 3

DESCRIPTION OF POND

POND IS: ☒ ACTIVE ☐ INACTIVE

POND TYPE: ☒ DUGOUT ☐ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☒ PIPE ☐ NONE

SIZE (ACRES): 0.85

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
				:1

PROXIMITY TO STREAMS: 800 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: low

PERMITS / APPROVALS: ☒ APPROPRIATION ☒ DISCHARGE ☐ SCD ☐ NONE

VEGETATION: ☒ VOID ☐ SPARSE ☐ DENSE
☐ GRASS ☐ WETLANDS VEGETATION ☐ SHRUBS ☐ TREES

LOCATION

COUNTY: AA

MARYLAND GRID COORDINATES

BASIN CODE: 01131105

NORTH: 440

EAST : 890

RIVER/STREAM: Patuxent River

REMARKS

Closed system, appears to be no discharge.

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: CAMPBELLS SAND AND GRAVEL

NO. OF PONDS ON SITE: 2

SITE NUMBER: AA6-80-SP-0838

NUMBER: 1

DESCRIPTION OF POND

POND IS: ☒ ACTIVE

☐ INACTIVE

POND TYPE: ☒ DUGOUT

☐ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER

☐ EMERGENCY

☒ PIPE

☐ NONE

SIZE (ACRES): 1.74

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
				:1

PROXIMITY TO STREAMS: 7000 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: none

PERMITS / APPROVALS: ☒ APPROPRIATION

☐ DISCHARGE

☒ SCD

☐ NONE

VEGETATION: ☐ VOID

☐ SPARSE

☒ DENSE

☒ GRASS

☐ WETLANDS VEGETATION

☐ SHRUBS

☐ TREES

LOCATION

COUNTY: AA

MARYLAND GRID COORDINATES

BASIN CODE: 02131105

NORTH: 434

EAST : 877

RIVER/STREAM: Little Patuxent River

REMARKS

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: CAMPBELLS SAND AND GRAVEL

NO. OF PONDS ON SITE: 2

SITE NUMBER: AA6-80-SP-0838

NUMBER: 2

DESCRIPTION OF POND

POND IS: ☒ ACTIVE ☐ INACTIVE

POND TYPE: ☒ DUGOUT ☐ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☒ PIPE ☐ NONE

SIZE (ACRES): 1.93

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
				:1

PROXIMITY TO STREAMS: 7000 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: none

PERMITS / APPROVALS: ☒ APPROPRIATION ☐ DISCHARGE ☒ SCD ☐ NONE

VEGETATION: ☐ VOID ☐ SPARSE ☒ DENSE
☒ GRASS ☐ WETLANDS VEGETATION ☐ SHRUBS ☐ TREES

LOCATION

COUNTY: AA

MARYLAND GRID COORDINATES

BASIN CODE: 02131105

NORTH: 434

EAST : 877

RIVER/STREAM: Little Patuxent River

REMARKS

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: REDS DOVE INC.

NO. OF PONDS ON SITE: 4

SITE NUMBER: AA7-77-SP-0073

NUMBER: 1

DESCRIPTION OF POND

POND IS: ☒ ACTIVE ☐ INACTIVE

POND TYPE: ☒ DUGOUT ☐ EMBANKMENT

SPILLWAY TYPE: ☒ BARREL W/RISER ☐ EMERGENCY ☐ PIPE ☐ NONE

SIZE (ACRES): 0.43

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
				:1

PROXIMITY TO STREAMS: 750 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: none

PERMITS / APPROVALS: ☒ APPROPRIATION ☒ DISCHARGE ☒ SCD ☐ NONE

VEGETATION: ☐ VOID ☐ SPARSE ☒ DENSE
☒ GRASS ☐ WETLANDS VEGETATION ☐ SHRUBS ☐ TREES

LOCATION

COUNTY: AA

MARYLAND GRID COORDINATES

BASIN CODE: 02131102

NORTH: 393

EAST : 893

RIVER/STREAM: Patuxent River

REMARKS

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: REDS DOVE INC.

NO. OF PONDS ON SITE: 4

SITE NUMBER: AA7-77-SP-0073

NUMBER: 2

DESCRIPTION OF POND

POND IS: ☒ ACTIVE ☐ INACTIVE

POND TYPE: ☒ DUGOUT ☐ EMBANKMENT

SPILLWAY TYPE: ☒ BARREL W/RISER ☐ EMERGENCY ☐ PIPE ☐ NONE

SIZE (ACRES): 0.85

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
				:1

PROXIMITY TO STREAMS: 750 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: none

PERMITS / APPROVALS: ☒ APPROPRIATION ☒ DISCHARGE ☒ SCD ☐ NONE

VEGETATION: ☐ VOID ☐ SPARSE ☒ DENSE
☒ GRASS ☐ WETLANDS VEGETATION ☐ SHRUBS ☐ TREES

LOCATION

COUNTY: AA

MARYLAND GRID COORDINATES

BASIN CODE: 02131102

NORTH: 393

EAST : 893

RIVER/STREAM: Patuxent River

REMARKS

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: REDS DOVE INC.

NO. OF PONDS ON SITE: 4

SITE NUMBER: AA7-77-SP-0073

NUMBER: 3

DESCRIPTION OF POND

POND IS: ☒ ACTIVE

☐ INACTIVE

POND TYPE: ☒ DUGOUT

☐ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☐ PIPE ☐ NONE

SIZE (ACRES): 0.40

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
				:1

PROXIMITY TO STREAMS: 800 FEET

LIFE EXPECTANCY: 2-3 months

POTENTIAL HAZARDS: none

PERMITS / APPROVALS: ☒ APPROPRIATION ☒ DISCHARGE ☒ SCD ☐ NONE

VEGETATION: ☐ VOID ☒ SPARSE ☐ DENSE
☒ GRASS ☐ WETLANDS VEGETATION ☐ SHRUBS ☐ TREES

LOCATION

COUNTY: AA

MARYLAND GRID COORDINATES

BASIN CODE: 02131102

NORTH: 393

EAST : 893

RIVER/STREAM: Patuxent River

REMARKS

This pond is being phased out, and replaced by pond 4.

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: REDS DOVE INC.

NO. OF PONDS ON SITE: 4

SITE NUMBER: AA7-77-SP-0073

NUMBER: 4

DESCRIPTION OF POND

POND IS: ☒ ACTIVE ☐ INACTIVE

POND TYPE: ☒ DUGOUT ☐ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☐ PIPE ☒ NONE

SIZE (ACRES): 1.38

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
				:1

PROXIMITY TO STREAMS: 900 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: low

PERMITS / APPROVALS: ☒ APPROPRIATION ☒ DISCHARGE ☒ SCD ☐ NONE

VEGETATION: ☒ VOID ☐ SPARSE ☐ DENSE
☐ GRASS ☐ WETLANDS VEGETATION ☐ SHRUBS ☐ TREES

LOCATION

COUNTY: AA

MARYLAND GRID COORDINATES

NORTH: 393

EAST : 893

BASIN CODE: 02131102

RIVER/STREAM: Patuxent River

REMARKS

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: GENSTAR-WHITE MARSH

NO. OF PONDS ON SITE: 11

SITE NUMBER: BA1-77-SP-0064

NUMBER: 1

DESCRIPTION OF POND

POND IS: ☒ ACTIVE

☐ INACTIVE

POND TYPE: ☒ DUGOUT

☐ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☐ PIPE ☒ NONE

SIZE (ACRES): 0.11

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
				:1

PROXIMITY TO STREAMS: 3200 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: low

PERMITS / APPROVALS: ☒ APPROPRIATION ☒ DISCHARGE ☐ SCD ☐ NONE

VEGETATION: ☐ VOID ☒ SPARSE ☐ DENSE
☒ GRASS ☐ WETLANDS VEGETATION ☐ SHRUBS ☒ TREES

LOCATION

COUNTY: BA

MARYLAND GRID COORDINATES

BASIN CODE: 02130803

NORTH: 563

EAST : 951

RIVER/STREAM: White Marsh Run

REMARKS

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: GENSTAR-WHITE MARSH

NO. OF PONDS ON SITE: 11

SITE NUMBER: BA1-77-SP-0064

NUMBER: 2

DESCRIPTION OF POND

POND IS: ☒ ACTIVE

☐ INACTIVE

POND TYPE: ☒ DUGOUT

☐ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☐ PIPE ☒ NONE

SIZE (ACRES): 0.12

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
				:1

PROXIMITY TO STREAMS: 2600 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: none

PERMITS / APPROVALS: ☒ APPROPRIATION ☒ DISCHARGE ☐ SCD ☐ NONE

VEGETATION: ☐ VOID ☐ SPARSE ☒ DENSE
☐ GRASS ☒ WETLANDS VEGETATION ☐ SHRUBS ☐ TREES

LOCATION

COUNTY: BA

MARYLAND GRID COORDINATES

BASIN CODE: 02130803

NORTH: 563

EAST : 951

RIVER/STREAM: White Marsh Run

REMARKS

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: GENSTAR-WHITE MARSH

NO. OF PONDS ON SITE: 11

SITE NUMBER: BA1-77-SP-0064

NUMBER: 3

DESCRIPTION OF POND

POND IS: ☒ ACTIVE ☐ INACTIVE

POND TYPE: ☒ DUGOUT ☐ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☐ PIPE ☒ NONE

SIZE (ACRES): 0.17

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
				:1

PROXIMITY TO STREAMS: 2400 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: none

PERMITS / APPROVALS: ☒ APPROPRIATION ☒ DISCHARGE ☐ SCD ☐ NONE

VEGETATION: ☐ VOID ☐ SPARSE ☒ DENSE
☐ GRASS ☒ WETLANDS VEGETATION ☐ SHRUBS ☐ TREES

LOCATION

COUNTY: BA

MARYLAND GRID COORDINATES

BASIN CODE: 02130803

NORTH: 563

EAST : 951

RIVER/STREAM: White Marsh Run

REMARKS

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: GENSTAR-WHITE MARSH

NO. OF PONDS ON SITE: 11

SITE NUMBER: BA1-77-SP-0064

NUMBER: 4

DESCRIPTION OF POND

POND IS: ☒ ACTIVE

☐ INACTIVE

POND TYPE: ☒ DUGOUT

☐ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER

☐ EMERGENCY

☐ PIPE

☒ NONE

SIZE (ACRES): 0.17

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
				:1

PROXIMITY TO STREAMS: 200 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: none

PERMITS / APPROVALS: ☒ APPROPRIATION ☒ DISCHARGE ☐ SCD ☐ NONE

VEGETATION: ☐ VOID

☐ SPARSE

☒ DENSE

☐ GRASS

☒ WETLANDS VEGETATION

☐ SHRUBS

☐ TREES

LOCATION

COUNTY: BA

MARYLAND GRID COORDINATES

BASIN CODE: 02130803

NORTH: 563

EAST : 951

RIVER/STREAM: White Marsh Run

REMARKS

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: GENSTAR-WHITE MARSH

NO. OF PONDS ON SITE: 11

SITE NUMBER: BA1-77-SP-0064

NUMBER: 5

DESCRIPTION OF POND

POND IS: ☒ ACTIVE ☐ INACTIVE

POND TYPE: ☒ DUGOUT ☐ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☐ PIPE ☒ NONE

SIZE (ACRES): 0.48

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
				:1

PROXIMITY TO STREAMS: 1600 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: none

PERMITS / APPROVALS: ☒ APPROPRIATION ☒ DISCHARGE ☐ SCD ☐ NONE

VEGETATION: ☐ VOID ☐ SPARSE ☒ DENSE
☐ GRASS ☒ WETLANDS VEGETATION ☐ SHRUBS ☐ TREES

LOCATION

COUNTY: BA

MARYLAND GRID COORDINATES

NORTH: 563

BASIN CODE: 02130803

EAST : 951

RIVER/STREAM: White Marsh Run

REMARKS

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: GENSTAR-WHITE MARSH

NO. OF PONDS ON SITE: 11

SITE NUMBER: BA1-77-SP-0064

NUMBER: 6

DESCRIPTION OF POND

POND IS: ☐ ACTIVE ☒ INACTIVE

POND TYPE: ☐ DUGOUT ☒ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☐ PIPE ☒ NONE

SIZE (ACRES): 8.00

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
34	8.6	10.5	1.9	1.5:1

PROXIMITY TO STREAMS: 1800 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: none

PERMITS / APPROVALS: ☒ APPROPRIATION ☒ DISCHARGE ☐ SCD ☐ NONE

VEGETATION: ☐ VOID ☐ SPARSE ☒ DENSE
☐ GRASS ☒ WETLANDS VEGETATION ☐ SHRUBS ☐ TREES

LOCATION

COUNTY: BA

MARYLAND GRID COORDINATES

BASIN CODE: 02130803

NORTH: 563

EAST : 951

RIVER/STREAM: White Marsh Run

REMARKS

Pond is mostly inactive, covered with wetlands vegetation. A channel is maintained which is active to allow flow to next pond.

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: GENSTAR-WHITE MARSH

NO. OF PONDS ON SITE: 11

SITE NUMBER: BA1-77-SP-0064

NUMBER: 7

DESCRIPTION OF POND

POND IS: ☐ ACTIVE

☒ INACTIVE

POND TYPE: ☐ DUGOUT

☒ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☐ PIPE ☒ NONE

SIZE (ACRES): 6.45

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
34	8.6	10.5	1.9	1.5:1

PROXIMITY TO STREAMS: 500 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: none

PERMITS / APPROVALS: ☒ APPROPRIATION ☒ DISCHARGE ☐ SCD ☐ NONE

VEGETATION: ☐ VOID ☐ SPARSE ☒ DENSE
☐ GRASS ☒ WETLANDS VEGETATION ☐ SHRUBS ☐ TREES

LOCATION

COUNTY: BA

MARYLAND GRID COORDINATES

BASIN CODE: 02130803

NORTH: 563

EAST : 951

RIVER/STREAM: White Marsh Run

REMARKS

Channel same as 6. This is the main dike which runs around closed system. All ponds are contained by this main dike.

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: GENSTAR-WHITE MARSH

NO. OF PONDS ON SITE: 11

SITE NUMBER: BA1-77-SP-0064

NUMBER: 8

DESCRIPTION OF POND

POND IS: ☐ ACTIVE ☒ INACTIVE

POND TYPE: ☐ DUGOUT ☒ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☐ PIPE ☒ NONE

SIZE (ACRES): 14.97

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
34	8.6	10.5	1.9	1.5:1

PROXIMITY TO STREAMS: 2200 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: none

PERMITS / APPROVALS: ☒ APPROPRIATION ☒ DISCHARGE ☐ SCD ☐ NONE

VEGETATION: ☐ VOID ☐ SPARSE ☒ DENSE
☐ GRASS ☒ WETLANDS VEGETATION ☐ SHRUBS ☐ TREES

LOCATION

COUNTY: BA

MARYLAND GRID COORDINATES

NORTH: 563

EAST : 951

BASIN CODE: 02130803

RIVER/STREAM: White Marsh Run

REMARKS

Channel same as 6 and 7.

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: GENSTAR-WHITE MARSH

NO. OF PONDS ON SITE: 11

SITE NUMBER: BA1-77-SP-0064

NUMBER: 9

DESCRIPTION OF POND

POND IS: ☒ ACTIVE

☒ INACTIVE

POND TYPE: ☐ DUGOUT

☒ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☐ PIPE ☒ NONE

SIZE (ACRES): 12.01

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
18	6.3	6.9	0.6	1.3:1

PROXIMITY TO STREAMS: 400 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: none

PERMITS / APPROVALS: ☒ APPROPRIATION ☒ DISCHARGE ☐ SCD ☐ NONE

VEGETATION: ☐ VOID ☐ SPARSE ☒ DENSE
☐ GRASS ☒ WETLANDS VEGETATION ☐ SHRUBS ☐ TREES

LOCATION

COUNTY: BA

MARYLAND GRID COORDINATES

BASIN CODE: 02130803

NORTH: 563

EAST : 951

RIVER/STREAM: White Marsh Run

REMARKS

7.2 acres are inactive, 4.81 acres are active.

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: GENSTAR-WHITE MARSH

NO. OF PONDS ON SITE: 11

SITE NUMBER: BA1-77-SP-0064

NUMBER: 10

DESCRIPTION OF POND

POND IS: ☒ ACTIVE ☐ INACTIVE

POND TYPE: ☒ DUGOUT ☐ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☐ PIPE ☒ NONE

SIZE (ACRES): 0.94

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
				:1

PROXIMITY TO STREAMS: 50 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: none

PERMITS / APPROVALS: ☒ APPROPRIATION ☒ DISCHARGE ☐ SCD ☐ NONE

VEGETATION: ☐ VOID ☒ SPARSE ☐ DENSE
☐ GRASS ☒ WETLANDS VEGETATION ☐ SHRUBS ☐ TREES

LOCATION

COUNTY: BA

MARYLAND GRID COORDINATES

BASIN CODE: 02130803

NORTH: 563

EAST : 951

RIVER/STREAM: White Marsh Run

REMARKS

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: GENSTAR-WHITE MARSH

NO. OF PONDS ON SITE: 11

SITE NUMBER: BA1-77-SP-0064

NUMBER: 11

DESCRIPTION OF POND

POND IS: ☒ ACTIVE ☐ INACTIVE

POND TYPE: ☒ DUGOUT ☐ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☐ PIPE ☒ NONE

SIZE (ACRES): 4.67

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
				:1

PROXIMITY TO STREAMS: 1200 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: none

PERMITS / APPROVALS: ☒ APPROPRIATION ☒ DISCHARGE ☐ SCD ☐ NONE

VEGETATION: ☐ VOID ☒ SPARSE ☐ DENSE
☐ GRASS ☒ WETLANDS VEGETATION ☐ SHRUBS ☐ TREES

LOCATION

COUNTY: BA

MARYLAND GRID COORDINATES

BASIN CODE: 02130803

NORTH: 563

EAST : 951

RIVER/STREAM: White Marsh Run

REMARKS

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: GENSTAR-CHASE

NO. OF PONDS ON SITE: 1

SITE NUMBER: BA2-77-SP-0056

NUMBER: 1

DESCRIPTION OF POND

POND IS: ☒ ACTIVE ☐ INACTIVE

POND TYPE: ☒ DUGOUT ☐ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☒ PIPE ☐ NONE

SIZE (ACRES): 6.93

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
				:1

PROXIMITY TO STREAMS: 5000 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: intermediate

PERMITS / APPROVALS: ☒ APPROPRIATION ☐ DISCHARGE ☐ SCD ☐ NONE

VEGETATION: ☐ VOID ☒ SPARSE ☐ DENSE
☐ GRASS ☒ WETLANDS VEGETATION ☐ SHRUBS ☐ TREES

LOCATION

COUNTY: BA

MARYLAND GRID COORDINATES

BASIN CODE: 02130801

NORTH: 556

EAST : 974

RIVER/STREAM: Bird River

REMARKS

All discharge should be directed back into pit. Pond has blown out in the past due to inadequate discharge structure leading back into pit.

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: YORK BUILDING PRODUCTS-BELVEDERE NO. OF PONDS ON SITE: 8

SITE NUMBER: CE1-77-SP-0081

NUMBER: 1

DESCRIPTION OF POND

POND IS: ☐ ACTIVE ☒ INACTIVE

POND TYPE: ☒ DUGOUT ☐ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☐ PIPE ☒ NONE

SIZE (ACRES): 7.87

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
				:1

PROXIMITY TO STREAMS: 1600 FEET

LIFE EXPECTANCY:

POTENTIAL HAZARDS: none

PERMITS / APPROVALS: ☒ APPROPRIATION ☒ DISCHARGE ☐ SCD ☐ NONE

VEGETATION: ☐ VOID ☐ SPARSE ☒ DENSE
☒ GRASS ☐ WETLANDS VEGETATION ☐ SHRUBS ☐ TREES

LOCATION

COUNTY: CE

MARYLAND GRID COORDINATES

BASIN CODE: 02130609

NORTH: 640

EAST : 1070

RIVER/STREAM: Principio Creek

REMARKS

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: YORK BUILDING PRODUCTS-BELVEDERE NO. OF PONDS ON SITE: 8

SITE NUMBER: CE1-77-SP-0081

NUMBER: 2

DESCRIPTION OF POND

POND IS: ☐ ACTIVE ☒ INACTIVE

POND TYPE: ☒ DUGOUT ☐ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☐ PIPE ☒ NONE

SIZE (ACRES): 4.09

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
				:1

PROXIMITY TO STREAMS: 600 FEET

LIFE EXPECTANCY:

POTENTIAL HAZARDS: none

PERMITS / APPROVALS: ☒ APPROPRIATION ☒ DISCHARGE ☐ SCD ☐ NONE

VEGETATION: ☐ VOID ☐ SPARSE ☒ DENSE
☒ GRASS ☐ WETLANDS VEGETATION ☐ SHRUBS ☐ TREES

LOCATION

COUNTY: CE

MARYLAND GRID COORDINATES

BASIN CODE: 02130609

NORTH: 640

EAST : 1070

RIVER/STREAM: Principio Creek

REMARKS

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: YORK BUILDING PRODUCTS-BELVEDERE NO. OF PONDS ON SITE: 8

SITE NUMBER: CE1-77-SP-0081

NUMBER: 3

DESCRIPTION OF POND

POND IS: ☐ ACTIVE ☒ INACTIVE

POND TYPE: ☒ DUGOUT ☐ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☐ PIPE ☒ NONE

SIZE (ACRES): 4.55

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
				:1

PROXIMITY TO STREAMS: 800 FEET

LIFE EXPECTANCY:

POTENTIAL HAZARDS: none

PERMITS / APPROVALS: ☒ APPROPRIATION ☒ DISCHARGE ☐ SCD ☐ NONE

VEGETATION: ☐ VOID ☐ SPARSE ☒ DENSE
☒ GRASS ☐ WETLANDS VEGETATION ☐ SHRUBS ☐ TREES

LOCATION

COUNTY: CE

MARYLAND GRID COORDINATES

BASIN CODE: 02130609

NORTH: 640

EAST : 1070

RIVER/STREAM: Principio Creek

REMARKS

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: YORK BUILDING PRODUCTS-BELVEDERE NO. OF PONDS ON SITE: 8

SITE NUMBER: CE1-77-SP-0081

NUMBER: 4

DESCRIPTION OF POND

POND IS: ACTIVE x INACTIVE

POND TYPE: x DUGOUT EMBANKMENT

SPILLWAY TYPE: BARREL W/RISER EMERGENCY PIPE x NONE

SIZE (ACRES): 6.07

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
				:1

PROXIMITY TO STREAMS: 1000 FEET

LIFE EXPECTANCY:

POTENTIAL HAZARDS: none

PERMITS / APPROVALS: x APPROPRIATION x DISCHARGE SCD NONE

VEGETATION: VOID SPARSE x DENSE
 x GRASS WETLANDS VEGETATION SHRUBS TREES

LOCATION

COUNTY: CE

MARYLAND GRID COORDINATES

BASIN CODE: 02130609

NORTH: 640

EAST : 1070

RIVER/STREAM: Principio Creek

REMARKS

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: YORK BUILDING PRODUCTS-BELVEDERE NO. OF PONDS ON SITE: 8

SITE NUMBER: CE1-77-SP-0081

NUMBER: 5

DESCRIPTION OF POND

POND IS: ☒ ACTIVE ☐ INACTIVE

POND TYPE: ☐ DUGOUT ☒ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☐ PIPE ☒ NONE

SIZE (ACRES): 24.00

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
66	37.8	43.8	6.0	3.0:1

PROXIMITY TO STREAMS: 1200 FEET

LIFE EXPECTANCY: 2-3 years

POTENTIAL HAZARDS: none

PERMITS / APPROVALS: ☒ APPROPRIATION ☒ DISCHARGE ☐ SCD ☐ NONE

VEGETATION: ☐ VOID ☐ SPARSE ☒ DENSE
☒ GRASS ☐ WETLANDS VEGETATION ☐ SHRUBS ☐ TREES

LOCATION

COUNTY: CE

MARYLAND GRID COORDINATES

BASIN CODE: 02130609

NORTH: 640

EAST : 1070

RIVER/STREAM: Principio Creek

REMARKS

Ponds are reclaimed after they reach capacity.

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: YORK BUILDING PRODUCTS-BELVEDERE NO. OF PONDS ON SITE: 8

SITE NUMBER: CE1-77-SP-0081

NUMBER: 6

DESCRIPTION OF POND

POND IS: ☒ ACTIVE ☐ INACTIVE

POND TYPE: ☐ DUGOUT ☒ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☒ EMERGENCY ☐ PIPE ☐ NONE

SIZE (ACRES): 22.50

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
20	24.9	29.8	4.8	3.0:1

PROXIMITY TO STREAMS: 1400 FEET

LIFE EXPECTANCY: 2-3 years

POTENTIAL HAZARDS: none

PERMITS / APPROVALS: ☒ APPROPRIATION ☒ DISCHARGE ☐ SCD ☐ NONE

VEGETATION: ☐ VOID ☐ SPARSE ☒ DENSE
☒ GRASS ☐ WETLANDS VEGETATION ☐ SHRUBS ☐ TREES

LOCATION

COUNTY: CE

MARYLAND GRID COORDINATES

BASIN CODE: 02130609

NORTH: 640.

EAST : 1070

RIVER/STREAM: Principio Creek

REMARKS

Ponds are reclaimed once they reach capacity.

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: YORK BUILDING PRODUCTS-BELVEDERE NO. OF PONDS ON SITE: 8

SITE NUMBER: CE1-77-SP-0081

NUMBER: 7

DESCRIPTION OF POND

POND IS: ☒ ACTIVE ☐ INACTIVE

POND TYPE: ☒ DUGOUT ☐ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☐ PIPE ☒ NONE

SIZE (ACRES): 12.80

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
				:1

PROXIMITY TO STREAMS: 1500 FEET

LIFE EXPECTANCY: 2-3 years

POTENTIAL HAZARDS: none

PERMITS / APPROVALS: ☒ APPROPRIATION ☒ DISCHARGE ☐ SCD ☐ NONE

VEGETATION: ☐ VOID ☐ SPARSE ☒ DENSE
☒ GRASS ☐ WETLANDS VEGETATION ☐ SHRUBS ☐ TREES

LOCATION

COUNTY: CE

MARYLAND GRID COORDINATES

BASIN CODE: 02130609

NORTH: 640
EAST : 1070

RIVER/STREAM: Principio Creek

REMARKS

Ponds are reclaimed once they reach capacity.

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: YORK BUILDING PRODUCTS-BELVEDERE NO. OF PONDS ON SITE: 8

SITE NUMBER: CE1-77-SP-0081

NUMBER: 8

DESCRIPTION OF POND

POND IS: ☒ ACTIVE ☐ INACTIVE

POND TYPE: ☐ DUGOUT ☒ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☐ PIPE ☒ NONE

SIZE (ACRES): 24.20

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
20	42.0	57.0	7.0	4.0:1

PROXIMITY TO STREAMS: 1600 FEET

LIFE EXPECTANCY: 2-3 years

POTENTIAL HAZARDS: none

PERMITS / APPROVALS: ☒ APPROPRIATION ☒ DISCHARGE ☐ SCD ☐ NONE

VEGETATION: ☐ VOID ☐ SPARSE ☒ DENSE
☒ GRASS ☐ WETLANDS VEGETATION ☐ SHRUBS ☐ TREES

LOCATION

COUNTY: CE

MARYLAND GRID COORDINATES

BASIN CODE: 02130609

NORTH: 640

EAST : 1070

RIVER/STREAM: Principio Creek

REMARKS

Ponds are reclaimed once they reach capacity.

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: STANCILLS, INC.

NO. OF PONDS ON SITE: 2

SITE NUMBER: CE2-77-SP-0090

NUMBER: 1

DESCRIPTION OF POND

POND IS: ☒ ACTIVE ☐ INACTIVE

POND TYPE: ☒ DUGOUT ☐ EMBANKMENT

SPILLWAY TYPE: ☒ BARREL W/RISER ☐ EMERGENCY ☐ PIPE ☐ NONE

SIZE (ACRES): 5.73

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
				:1

PROXIMITY TO STREAMS: 400 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: low

PERMITS / APPROVALS: ☒ APPROPRIATION ☐ DISCHARGE ☒ SCD ☐ NONE

VEGETATION: ☒ VOID ☐ SPARSE ☐ DENSE
☐ GRASS ☐ WETLANDS VEGETATION ☐ SHRUBS ☐ TREES

LOCATION

COUNTY: CE

MARYLAND GRID COORDINATES

BASIN CODE: 02130609

NORTH: 633

EAST : 1074

RIVER/STREAM: Furnace Bay-Principio Creek

REMARKS

Hazards would go to none if vegetatively stabilized.
Other ponds previously used are in the process of being reclaimed

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: STANCILLS, INC.

NO. OF PONDS ON SITE: 2

SITE NUMBER: CE2-77-SP-0090

NUMBER: 2

DESCRIPTION OF POND

POND IS: ☒ ACTIVE ☐ INACTIVE

POND TYPE: ☒ DUGOUT ☐ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☒ PIPE ☐ NONE

SIZE (ACRES): 6.80

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
				:1

PROXIMITY TO STREAMS: 500 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: low

PERMITS / APPROVALS: ☒ APPROPRIATION ☐ DISCHARGE ☒ SCD ☐ NONE

VEGETATION: ☒ VOID ☐ SPARSE ☐ DENSE
☐ GRASS ☐ WETLANDS VEGETATION ☐ SHRUBS ☐ TREES

LOCATION

COUNTY: CE

MARYLAND GRID COORDINATES

BASIN CODE: 02130609

NORTH: 633

EAST : 1074

RIVER/STREAM: Furnace Bay-Principio Creek

REMARKS

Hazards would go to none if vegetatively stabilized.

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: CECIL SAND AND GRAVEL

NO. OF PONDS ON SITE: 5

SITE NUMBER: CE3-80-SP-0353

NUMBER: 1

DESCRIPTION OF POND

POND IS: ☒ ACTIVE

☐ INACTIVE

POND TYPE: ☒ DUGOUT

☐ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER

☐ EMERGENCY

☒ PIPE

☐ NONE

SIZE (ACRES): 1.38

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
				:1

PROXIMITY TO STREAMS: 1500 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: none

PERMITS / APPROVALS: ☒ APPROPRIATION

☐ DISCHARGE

☐ SCD

☐ NONE

VEGETATION: ☐ VOID

☒ SPARSE

☐ DENSE

☒ GRASS

☒ WETLANDS VEGETATION

☐ SHRUBS

☐ TREES

LOCATION

COUNTY: CE

MARYLAND GRID COORDINATES

BASIN CODE: 02130609

NORTH: 649

EAST : 1062

RIVER/STREAM: Mill Creek

REMARKS

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: CECIL SAND AND GRAVEL

NO. OF PONDS ON SITE: 5

SITE NUMBER: CE3-80-SP-0353

NUMBER: 2

DESCRIPTION OF POND

POND IS: ☒ ACTIVE ☐ INACTIVE

POND TYPE: ☒ DUGOUT ☐ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☒ PIPE ☐ NONE

SIZE (ACRES): 1.49

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
				:1

PROXIMITY TO STREAMS: 1500 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: none

PERMITS / APPROVALS: ☒ APPROPRIATION ☐ DISCHARGE ☐ SCD ☐ NONE

VEGETATION: ☐ VOID ☐ SPARSE ☒ DENSE
☒ GRASS ☐ WETLANDS VEGETATION ☐ SHRUBS ☐ TREES

LOCATION

COUNTY: CE

MARYLAND GRID COORDINATES

BASIN CODE: 02130609

NORTH: 649

EAST : 1062

RIVER/STREAM: Mill Creek

REMARKS

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: CECIL SAND AND GRAVEL

NO. OF PONDS ON SITE: 5

SITE NUMBER: CE3-80-SP-0353

NUMBER: 3

DESCRIPTION OF POND

POND IS: ☒ ACTIVE

☐ INACTIVE

POND TYPE: ☒ DUGOUT

☐ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER

☐ EMERGENCY

☒ PIPE

☐ NONE

SIZE (ACRES): 0.92

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
				:1

PROXIMITY TO STREAMS: 1500 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: none

PERMITS / APPROVALS: ☒ APPROPRIATION

☐ DISCHARGE

☐ SCD

☐ NONE

VEGETATION: ☐ VOID

☐ SPARSE

☒ DENSE

☒ GRASS

☐ WETLANDS VEGETATION

☐ SHRUBS

☐ TREES

LOCATION

COUNTY: CE

MARYLAND GRID COORDINATES

BASIN CODE: 02130609

NORTH: 649

EAST : 1062

RIVER/STREAM: Mill Creek

REMARKS

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: CECIL SAND AND GRAVEL

NO. OF PONDS ON SITE: 5

SITE NUMBER: CE3-80-SP-0353

NUMBER: 4

DESCRIPTION OF POND

POND IS: ☒ ACTIVE ☐ INACTIVE

POND TYPE: ☒ DUGOUT ☐ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☒ PIPE ☐ NONE

SIZE (ACRES): 1.87

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
				:1

PROXIMITY TO STREAMS: 1500 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: none

PERMITS / APPROVALS: ☒ APPROPRIATION ☐ DISCHARGE ☐ SCD ☐ NONE

VEGETATION: ☐ VOID ☒ SPARSE ☐ DENSE
☒ GRASS ☐ WETLANDS VEGETATION ☐ SHRUBS ☐ TREES

LOCATION

COUNTY: CE

MARYLAND GRID COORDINATES

BASIN CODE: 02130609

NORTH: 649

EAST : 1062

RIVER/STREAM: Mill Creek

REMARKS

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: CECIL SAND AND GRAVEL

NO. OF PONDS ON SITE: 5

SITE NUMBER: CE3-80-SP-0353

NUMBER: 5

DESCRIPTION OF POND

POND IS: ☒ ACTIVE ☐ INACTIVE

POND TYPE: ☒ DUGOUT ☐ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☒ PIPE ☐ NONE

SIZE (ACRES): 1.31

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
				:1

PROXIMITY TO STREAMS: 1300 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: low

PERMITS / APPROVALS: ☒ APPROPRIATION ☐ DISCHARGE ☐ SCD ☐ NONE

VEGETATION: ☒ VOID ☐ SPARSE ☐ DENSE
☐ GRASS ☐ WETLANDS VEGETATION ☐ SHRUBS ☐ TREES

LOCATION

COUNTY: CE

MARYLAND GRID COORDINATES

BASIN CODE: 02130609

NORTH: 649

EAST : 1062

RIVER/STREAM: Mill Creek

REMARKS

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: YORK BUILDING PRODUCTS-NORTHEAST NO. OF PONDS ON SITE: 4

SITE NUMBER: CE4-77-SP-0080

NUMBER: 1

DESCRIPTION OF POND

POND IS: ☒ ACTIVE ☐ INACTIVE

POND TYPE: ☐ DUGOUT ☒ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☒ PIPE ☐ NONE

SIZE (ACRES): 11.75

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
21	31.7	38.9	7.2	2.0:1

PROXIMITY TO STREAMS: 31250 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: low

PERMITS / APPROVALS: ☐ APPROPRIATION ☒ DISCHARGE ☐ SCD ☐ NONE

VEGETATION: ☐ VOID ☒ SPARSE ☐ DENSE
☒ GRASS ☐ WETLANDS VEGETATION ☐ SHRUBS ☐ TREES

LOCATION

COUNTY: CE

MARYLAND GRID COORDINATES

NORTH: 630

BASIN CODE: 02130608

EAST : 1105

RIVER/STREAM: Plum Creek

REMARKS

Plant closing in approximately one year.

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: YORK BUILDING PRODUCTS-NORTHEAST NO. OF PONDS ON SITE: 4

SITE NUMBER: CE4-77-SP-0080

NUMBER: 2

DESCRIPTION OF POND

POND IS: ☒ ACTIVE ☐ INACTIVE

POND TYPE: ☐ DUGOUT ☒ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☒ PIPE ☐ NONE

SIZE (ACRES): 9.11

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
21	31.7	38.9	7.2	2.0:1

PROXIMITY TO STREAMS: 31250 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: low

PERMITS / APPROVALS: ☐ APPROPRIATION ☒ DISCHARGE ☐ SCD ☐ NONE

VEGETATION: ☐ VOID ☐ SPARSE ☒ DENSE
☒ GRASS ☒ WETLANDS VEGETATION ☐ SHRUBS ☐ TREES

LOCATION

COUNTY: CE

MARYLAND GRID COORDINATES

BASIN CODE: 02130608

NORTH: 630

EAST : 1105

RIVER/STREAM: Plum Creek

REMARKS

Plant is closing in approximately one year.

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: YORK BUILDING PRODUCTS-NORTHEAST NO. OF PONDS ON SITE: 4

SITE NUMBER: CE4-77-SP-0080

NUMBER: 3

DESCRIPTION OF POND

POND IS: ☒ ACTIVE ☐ INACTIVE

POND TYPE: ☐ DUGOUT ☒ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☐ PIPE ☒ NONE

SIZE (ACRES): 6.01

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
22	11.0	14.2	3.1	1.2:1

PROXIMITY TO STREAMS: 31250 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: low

PERMITS / APPROVALS: ☐ APPROPRIATION ☒ DISCHARGE ☐ SCD ☐ NONE

VEGETATION: ☐ VOID ☐ SPARSE ☒ DENSE
☒ GRASS ☒ WETLANDS VEGETATION ☐ SHRUBS ☐ TREES

LOCATION

COUNTY: CE

MARYLAND GRID COORDINATES

BASIN CODE: 02130608

NORTH: 630

EAST : 1105

RIVER/STREAM: Plum Creek

REMARKS

Plant is closing in approximately one year.

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: YORK BUILDING PRODUCTS-NORTHEAST NO. OF PONDS ON SITE: 4

SITE NUMBER: CE4-77-SP-0080

NUMBER: 4

DESCRIPTION OF POND

POND IS: ☒ ACTIVE ☐ INACTIVE

POND TYPE: ☐ DUGOUT ☒ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☒ PIPE ☐ NONE

SIZE (ACRES): 1.89

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
22	11.0	14.2	3.1	1.2:1

PROXIMITY TO STREAMS: 31250 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: low

PERMITS / APPROVALS: ☐ APPROPRIATION ☒ DISCHARGE ☐ SCD ☐ NONE

VEGETATION: ☐ VOID ☐ SPARSE ☒ DENSE
☒ GRASS ☒ WETLANDS VEGETATION ☐ SHRUBS ☒ TREES

LOCATION

COUNTY: CE

MARYLAND GRID COORDINATES

BASIN CODE: 02130608

NORTH: 630
EAST : 1105

RIVER/STREAM: Plum Creek

REMARKS

Plant closing in approximately one year.

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: SEVEN STAR AGGREGATES

NO. OF PONDS ON SITE: 5

SITE NUMBER: CH1-87-SP-0249

NUMBER: 1

DESCRIPTION OF POND

POND IS: ☒ ACTIVE ☐ INACTIVE

POND TYPE: ☒ DUGOUT ☐ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☐ PIPE ☒ NONE

SIZE (ACRES): 1.32

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
				:1

PROXIMITY TO STREAMS: 1000 FEET

LIFE EXPECTANCY: at capacity-dredging

POTENTIAL HAZARDS: high

PERMITS / APPROVALS: ☐ APPROPRIATION ☐ DISCHARGE ☒ SCD ☐ NONE

VEGETATION: ☒ VOID ☐ SPARSE ☐ DENSE
☐ GRASS ☐ WETLANDS VEGETATION ☐ SHRUBS ☐ TREES

LOCATION

COUNTY: CH

MARYLAND GRID COORDINATES

BASIN CODE: 02140109

NORTH: 270

EAST : 810

RIVER/STREAM: Clark Run

REMARKS

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: SEVEN STAR AGGREGATES

NO. OF PONDS ON SITE: 5

SITE NUMBER: CH1-87-SP-0249

NUMBER: 2

DESCRIPTION OF POND

POND IS: ☒ ACTIVE ☐ INACTIVE

POND TYPE: ☒ DUGOUT ☐ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☐ PIPE ☒ NONE

SIZE (ACRES): 1.22

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
				:1

PROXIMITY TO STREAMS: 1000 FEET

LIFE EXPECTANCY: at capacity-dredging

POTENTIAL HAZARDS: high

PERMITS / APPROVALS: ☐ APPROPRIATION ☐ DISCHARGE ☒ SCD ☐ NONE

VEGETATION: ☒ VOID ☐ SPARSE ☐ DENSE
☐ GRASS ☐ WETLANDS VEGETATION ☐ SHRUBS ☐ TREES

LOCATION

COUNTY: CH

MARYLAND GRID COORDINATES

BASIN CODE: 02140109

NORTH: 270

EAST : 810

RIVER/STREAM: Clark Run

REMARKS

In the past pond has run over onto Rosewick Road due to structure exceeding capacity-enforcement action was taken. Eventually will be phased out, dried and seeded.

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: SEVEN STAR AGGREGATES

NO. OF PONDS ON SITE: 5

SITE NUMBER: CH1-87-SP-0249

NUMBER: 3

DESCRIPTION OF POND

POND IS: ☒ ACTIVE ☐ INACTIVE

POND TYPE: ☒ DUGOUT ☐ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☐ PIPE ☒ NONE

SIZE (ACRES): 1.62

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
				:1

PROXIMITY TO STREAMS: 1000 FEET

LIFE EXPECTANCY: at capacity-dredging

POTENTIAL HAZARDS: high

PERMITS / APPROVALS: ☐ APPROPRIATION ☐ DISCHARGE ☒ SCD ☐ NONE

VEGETATION: ☒ VOID ☐ SPARSE ☐ DENSE
☐ GRASS ☐ WETLANDS VEGETATION ☐ SHRUBS ☐ TREES

LOCATION

COUNTY: CH

MARYLAND GRID COORDINATES

BASIN CODE: 02140109

NORTH: 270

EAST : 810

RIVER/STREAM: Clark Run

REMARKS

Dredge spoil areas being dried and seeded.

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: SEVEN STAR AGGREGATES

NO. OF PONDS ON SITE: 5

SITE NUMBER: CH1-87-SP-0249

NUMBER: 4

DESCRIPTION OF POND

POND IS: ☒ ACTIVE

☐ INACTIVE

POND TYPE: ☒ DUGOUT

☐ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER

☐ EMERGENCY

☐ PIPE

☒ NONE

SIZE (ACRES): 2.30

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
				:1

PROXIMITY TO STREAMS: 1000 FEET

LIFE EXPECTANCY: at capacity-dredging

POTENTIAL HAZARDS: high

PERMITS / APPROVALS:

☐ APPROPRIATION

☐ DISCHARGE

☒ SCD

☐ NONE

VEGETATION: ☒ VOID

☐ SPARSE

☐ DENSE

☐ GRASS

☐ WETLANDS VEGETATION

☐ SHRUBS

☐ TREES

LOCATION

COUNTY: CH

MARYLAND GRID COORDINATES

BASIN CODE: 02140109

NORTH: 270

EAST : 810

RIVER/STREAM: Clark Run

REMARKS

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: SEVEN STAR AGGREGATES

NO. OF PONDS ON SITE: 5

SITE NUMBER: CH1-87-SP-0249

NUMBER: 5

DESCRIPTION OF POND

POND IS: ☒ ACTIVE ☐ INACTIVE

POND TYPE: ☒ DUGOUT ☐ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☐ PIPE ☒ NONE

SIZE (ACRES): 4.40

TYPICAL SECTION:	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
					:1

PROXIMITY TO STREAMS: 1000 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: low

PERMITS / APPROVALS: ☐ APPROPRIATION ☐ DISCHARGE ☒ SCD ☐ NONE

VEGETATION: ☐ VOID ☐ SPARSE ☒ DENSE
☐ GRASS ☐ WETLANDS VEGETATION ☒ SHRUBS ☒ TREES

LOCATION

COUNTY: CH

MARYLAND GRID COORDINATES

NORTH: 270

BASIN CODE: 02140109

EAST : 810

RIVER/STREAM: Clark Run

REMARKS

Behind second plant there is a dredge spoil area which can not be walked on. If it were to fail would run into pond four.

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: SOMAR-DRIGGS CORP.

NO. OF PONDS ON SITE: 0

SITE NUMBER: CH2-80-SP-0633

NUMBER: 0

DESCRIPTION OF POND

POND IS: ☐ ACTIVE

☐ INACTIVE

POND TYPE: ☐ DUGOUT

☐ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER

☐ EMERGENCY

☐ PIPE

☐ NONE

SIZE (ACRES): 0.00

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
			0.0	0.0:1

PROXIMITY TO STREAMS: 15625 FEET

LIFE EXPECTANCY:

POTENTIAL HAZARDS:

PERMITS / APPROVALS:

☐ APPROPRIATION

☐ DISCHARGE

☐ SCD

☐ NONE

VEGETATION: ☐ VOID

☐ SPARSE

☐ DENSE

☐ GRASS

☐ WETLANDS VEGETATION

☐ SHRUBS

☐ TREES

LOCATION

COUNTY: CH

MARYLAND GRID COORDINATES

BASIN CODE: 02140108

NORTH: 262

EAST : 828

RIVER/STREAM: Zekiah Swamp

REMARKS

Wash plant with no associated ponds except make up water. Using flocculent method to separate fines from discharge water. Fines then belt pressed to dry. Dried material used in reclamation.

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: CHARLES COUNTY SAND AND GRAVEL

NO. OF PONDS ON SITE: 4

SITE NUMBER: CH3

NUMBER: 1

DESCRIPTION OF POND

POND IS: ☒ ACTIVE ☐ INACTIVE

POND TYPE: ☐ DUGOUT ☒ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☐ PIPE ☒ NONE

SIZE (ACRES): 6.30

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
13	10.8	14.4	3.6	1.7:1

PROXIMITY TO STREAMS: 2500 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: low

PERMITS / APPROVALS: ☒ APPROPRIATION ☒ DISCHARGE ☐ SCD ☐ NONE

VEGETATION: ☒ VOID ☐ SPARSE ☐ DENSE
☐ GRASS ☐ WETLANDS VEGETATION ☐ SHRUBS ☐ TREES

LOCATION

COUNTY: CH

MARYLAND GRID COORDINATES

BASIN CODE: 02140108

NORTH: 289

EAST : 833

RIVER/STREAM: Jordan Swamp

REMARKS

Should be seeded to stabilize embankment.

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: CHARLES COUNTY SAND AND GRAVEL

NO. OF PONDS ON SITE: 4

SITE NUMBER: CH3

NUMBER: 2

DESCRIPTION OF POND

POND IS: ☒ ACTIVE ☐ INACTIVE

POND TYPE: ☐ DUGOUT ☒ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☐ PIPE ☒ NONE

SIZE (ACRES): 4.90

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
15	10.2	14.7	4.5	1.7:1

PROXIMITY TO STREAMS: 2500 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: low

PERMITS / APPROVALS: ☒ APPROPRIATION ☒ DISCHARGE ☐ SCD ☐ NONE

VEGETATION: ☒ VOID ☐ SPARSE ☐ DENSE
☐ GRASS ☐ WETLANDS VEGETATION ☐ SHRUBS ☐ TREES

LOCATION

COUNTY: CH

MARYLAND GRID COORDINATES

BASIN CODE: 02140108

NORTH: 289

EAST : 833

RIVER/STREAM: Jordan Swamp

REMARKS

Should be seeded to stabilize the embankment.

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: CHARLES COUNTY SAND AND GRAVEL

NO. OF PONDS ON SITE: 4

SITE NUMBER: CH3

NUMBER: 3

DESCRIPTION OF POND

POND IS: ☐ ACTIVE ☒ INACTIVE

POND TYPE: ☐ DUGOUT ☒ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☐ PIPE ☒ NONE

SIZE (ACRES): 2.14

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
13	7.4	8.2	0.8	1.7:1

PROXIMITY TO STREAMS: 2300 FEET

LIFE EXPECTANCY:

POTENTIAL HAZARDS: intermediate

PERMITS / APPROVALS: ☒ APPROPRIATION ☒ DISCHARGE ☐ SCD ☐ NONE

VEGETATION: ☐ VOID ☒ SPARSE ☐ DENSE
☒ GRASS ☒ WETLANDS VEGETATION ☐ SHRUBS ☐ TREES

LOCATION

COUNTY: CH

MARYLAND GRID COORDINATES

BASIN CODE: 02140108

NORTH: 289

EAST : 833

RIVER/STREAM: Jordan Swamp

REMARKS

In the process of being reclaimed.

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: CHARLES COUNTY SAND AND GRAVEL

NO. OF PONDS ON SITE: 4

SITE NUMBER: CH3

NUMBER: 4

DESCRIPTION OF POND

POND IS: ☐ ACTIVE

☒ INACTIVE

POND TYPE: ☐ DUGOUT

☒ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER

☐ EMERGENCY

☐ PIPE

☒ NONE

SIZE (ACRES): 3.41

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
13	7.4	8.2	0.8	1.7:1

PROXIMITY TO STREAMS: 2300 FEET

LIFE EXPECTANCY:

POTENTIAL HAZARDS: low

PERMITS / APPROVALS: ☒ APPROPRIATION

☒ DISCHARGE

☐ SCD

☐ NONE

VEGETATION: ☐ VOID

☒ SPARSE ☐ DENSE

☒ GRASS

☒ WETLANDS VEGETATION

☐ SHRUBS

☐ TREES

LOCATION

COUNTY: CH

MARYLAND GRID COORDINATES

BASIN CODE: 02140108

NORTH: 289

EAST : 833

RIVER/STREAM: Jordan Swamp

REMARKS

In the process of being reclaimed.

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: GOOSE BAY AGGREGATES

NO. OF PONDS ON SITE: 9

SITE NUMBER: CH4-82-SP-0139

NUMBER: 1

DESCRIPTION OF POND

POND IS: ☒ ACTIVE ☐ INACTIVE

POND TYPE: ☐ DUGOUT ☒ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☐ PIPE ☐ NONE

SIZE (ACRES): 6.00

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
20	13.0	25.0	12.0	2.5:1

PROXIMITY TO STREAMS: 3100 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: low

PERMITS / APPROVALS: ☐ APPROPRIATION ☒ DISCHARGE ☒ SCD ☐ NONE

VEGETATION: ☐ VOID ☒ SPARSE ☐ DENSE
☐ GRASS ☒ WETLANDS VEGETATION ☐ SHRUBS ☐ TREES

LOCATION

COUNTY: CH

MARYLAND GRID COORDINATES

BASIN CODE: 02141102

NORTH: 245

EAST : 732

RIVER/STREAM: Potomac River

REMARKS

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: GOOSE BAY AGGREGATES

NO. OF PONDS ON SITE: 9

SITE NUMBER: CH4-82-SP-0139

NUMBER: 2

DESCRIPTION OF POND

POND IS: ☒ ACTIVE ☐ INACTIVE

POND TYPE: ☐ DUGOUT ☒ EMBANKMENT

SPILLWAY TYPE: ☒ BARREL W/RISER ☐ EMERGENCY ☐ PIPE ☐ NONE

SIZE (ACRES): 7.86

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
20	13.0	25.0	12.0	2.5:1

PROXIMITY TO STREAMS: 3100 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: low

PERMITS / APPROVALS: ☐ APPROPRIATION ☒ DISCHARGE ☒ SCD ☐ NONE

VEGETATION: ☐ VOID ☒ SPARSE ☐ DENSE
☒ GRASS ☒ WETLANDS VEGETATION ☐ SHRUBS ☐ TREES

LOCATION

COUNTY: CH

MARYLAND GRID COORDINATES

BASIN CODE: 02141102

NORTH: 245

EAST : 732

RIVER/STREAM: Potomac River

REMARKS

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: GOOSE BAY AGGREGATES

NO. OF PONDS ON SITE: 9

SITE NUMBER: CH4-82-SP-0139

NUMBER: 3

DESCRIPTION OF POND

POND IS: ☒ ACTIVE ☐ INACTIVE

POND TYPE: ☐ DUGOUT ☒ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☐ PIPE ☐ NONE

SIZE (ACRES): 3.63

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
20	13.0	25.0	12.0	2.5:1

PROXIMITY TO STREAMS: 3100 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: low

PERMITS / APPROVALS: ☐ APPROPRIATION ☒ DISCHARGE ☒ SCD ☐ NONE

VEGETATION: ☐ VOID ☒ SPARSE ☐ DENSE
☒ GRASS ☒ WETLANDS VEGETATION ☐ SHRUBS ☐ TREES

LOCATION

COUNTY: CH

MARYLAND GRID COORDINATES

BASIN CODE: 02141102

NORTH: 245

EAST : 732

RIVER/STREAM: Potomac River

REMARKS

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: GOOSE BAY AGGREGATES

NO. OF PONDS ON SITE: 9

SITE NUMBER: CH4-82-SP-0139

NUMBER: 4

DESCRIPTION OF POND

POND IS: ☐ ACTIVE

☒ INACTIVE

POND TYPE: ☒ DUGOUT

☐ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER

☐ EMERGENCY

☐ PIPE

☐ NONE

SIZE (ACRES): 0.44

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
				:1

PROXIMITY TO STREAMS: 3100 FEET

LIFE EXPECTANCY:

POTENTIAL HAZARDS: low

PERMITS / APPROVALS: ☐ APPROPRIATION ☒ DISCHARGE ☒ SCD ☐ NONE

VEGETATION: ☐ VOID

☒ SPARSE

☐ DENSE

☒ GRASS

☒ WETLANDS VEGETATION

☐ SHRUBS

☐ TREES

LOCATION

COUNTY: CH

MARYLAND GRID COORDINATES

BASIN CODE: 02141102

NORTH: 245

EAST : 732

RIVER/STREAM: Potomac River

REMARKS

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: GOOSE BAY AGGREGATES

NO. OF PONDS ON SITE: 9

SITE NUMBER: CH4-82-SP-0139

NUMBER: 5

DESCRIPTION OF POND

POND IS: ☐ ACTIVE ☒ INACTIVE

POND TYPE: ☒ DUGOUT ☐ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☐ PIPE ☐ NONE

SIZE (ACRES): 0.72

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
				:1

PROXIMITY TO STREAMS: 3100 FEET

LIFE EXPECTANCY:

POTENTIAL HAZARDS: low

PERMITS / APPROVALS: ☐ APPROPRIATION ☒ DISCHARGE ☒ SCD ☐ NONE

VEGETATION: ☐ VOID ☒ SPARSE ☐ DENSE
☒ GRASS ☒ WETLANDS VEGETATION ☐ SHRUBS ☐ TREES

LOCATION

COUNTY: CH

MARYLAND GRID COORDINATES

BASIN CODE: 02141102

NORTH: 245

EAST : 732

RIVER/STREAM: Potomac River

REMARKS

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: GOOSE BAY AGGREGATES

NO. OF PONDS ON SITE: 9

SITE NUMBER: CH4-82-SP-0139

NUMBER: 6

DESCRIPTION OF POND

POND IS: ☐ ACTIVE ☒ INACTIVE

POND TYPE: ☒ DUGOUT ☐ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☐ PIPE ☐ NONE

SIZE (ACRES): 3.90

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
				:1

PROXIMITY TO STREAMS: 3100 FEET

LIFE EXPECTANCY:

POTENTIAL HAZARDS: low

PERMITS / APPROVALS: ☐ APPROPRIATION ☒ DISCHARGE ☒ SCD ☐ NONE

VEGETATION: ☐ VOID ☒ SPARSE ☐ DENSE
☒ GRASS ☒ WETLANDS VEGETATION ☐ SHRUBS ☐ TREES

LOCATION

COUNTY: CH

MARYLAND GRID COORDINATES

BASIN CODE: 02141102

NORTH: 245

EAST : 732

RIVER/STREAM: Potomac River

REMARKS

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: GOOSE BAY AGGREGATES

NO. OF PONDS ON SITE: 9

SITE NUMBER: CH4-82-SP-0139

NUMBER: 7

DESCRIPTION OF POND

POND IS: ☒ ACTIVE ☐ INACTIVE

POND TYPE: ☐ DUGOUT ☒ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☐ PIPE ☐ NONE

SIZE (ACRES): 1.26

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
3	10.9	18.9	8.0	3.0:1

PROXIMITY TO STREAMS: 3100 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: intermediate

PERMITS / APPROVALS: ☐ APPROPRIATION ☒ DISCHARGE ☒ SCD ☐ NONE

VEGETATION: ☒ VOID ☐ SPARSE ☐ DENSE
☐ GRASS ☐ WETLANDS VEGETATION ☐ SHRUBS ☐ TREES

LOCATION

COUNTY: CH

MARYLAND GRID COORDINATES

BASIN CODE: 02141102

NORTH: 245

EAST : 732

RIVER/STREAM: Potomac River

REMARKS

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: GOOSE BAY AGGREGATES

NO. OF PONDS ON SITE: 9

SITE NUMBER: CH4-82-SP-0139

NUMBER: 8

DESCRIPTION OF POND

POND IS: ☒ ACTIVE ☐ INACTIVE

POND TYPE: ☐ DUGOUT ☒ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☐ PIPE ☒ NONE

SIZE (ACRES): 2.11

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
3	10.9	18.9	8.0	3.0:1

PROXIMITY TO STREAMS: 3100 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: intermediate

PERMITS / APPROVALS: ☐ APPROPRIATION ☒ DISCHARGE ☒ SCD ☐ NONE

VEGETATION: ☒ VOID ☐ SPARSE ☐ DENSE
☐ GRASS ☐ WETLANDS VEGETATION ☐ SHRUBS ☐ TREES

LOCATION

COUNTY: CH

MARYLAND GRID COORDINATES

BASIN CODE: 02141102

NORTH: 245

EAST : 732

RIVER/STREAM: Potomac River

REMARKS

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: GOOSE BAY AGGREGATES

NO. OF PONDS ON SITE: 9

SITE NUMBER: CH4-82-SP-0139

NUMBER: 9

DESCRIPTION OF POND

POND IS: ☒ ACTIVE ☐ INACTIVE

POND TYPE: ☐ DUGOUT ☒ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☐ PIPE ☐ NONE

SIZE (ACRES): 4.46

TYPICAL SECTION:	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
	3	10.9	18.9	8.0	3.0:1

PROXIMITY TO STREAMS: 3100 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: intermediate

PERMITS / APPROVALS: ☐ APPROPRIATION ☒ DISCHARGE ☒ SCD ☐ NONE

VEGETATION: ☒ VOID ☐ SPARSE ☐ DENSE
☐ GRASS ☐ WETLANDS VEGETATION ☐ SHRUBS ☐ TREES

LOCATION

COUNTY: CH

MARYLAND GRID COORDINATES

BASIN CODE: 02141102

NORTH: 245

EAST : 732

RIVER/STREAM: Potomac River

REMARKS

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: FOOKS SAND AND GRAVEL

NO. OF PONDS ON SITE: 1

SITE NUMBER: D01-77-SP-0105

NUMBER: 1

DESCRIPTION OF POND

POND IS: ☒ ACTIVE ☐ INACTIVE

POND TYPE: ☒ DUGOUT ☐ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☐ PIPE ☒ NONE

SIZE (ACRES): 6.19

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
				:1

PROXIMITY TO STREAMS: 1000 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: low

PERMITS / APPROVALS: ☒ APPROPRIATION ☐ DISCHARGE ☐ SCD ☐ NONE

VEGETATION: ☐ VOID ☒ SPARSE ☐ DENSE
☐ GRASS ☒ WETLANDS VEGETATION ☐ SHRUBS ☒ TREES

LOCATION

COUNTY: DO

MARYLAND GRID COORDINATES

BASIN CODE: 02130403

NORTH: 308

EAST : 1117

RIVER/STREAM: Gravel Run

REMARKS

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: ELDOBROOK SAND AND GRAVEL

NO. OF PONDS ON SITE: 1

SITE NUMBER: DO2-86-SP-0243

NUMBER: 1

DESCRIPTION OF POND

POND IS: ☒ ACTIVE ☐ INACTIVE

POND TYPE: ☒ DUGOUT ☐ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☐ PIPE ☒ NONE

SIZE (ACRES): 0.66

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
				:1

PROXIMITY TO STREAMS: 3100 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: low

PERMITS / APPROVALS: ☐ APPROPRIATION ☐ DISCHARGE ☐ SCD ☒ NONE

VEGETATION: ☐ VOID ☒ SPARSE ☐ DENSE
☒ GRASS ☐ WETLANDS VEGETATION ☒ SHRUBS ☐ TREES

LOCATION

COUNTY: DO

MARYLAND GRID COORDINATES

BASIN CODE: 02130306

NORTH: 275

EAST : 1141

RIVER/STREAM: Marshy Hope Creek

REMARKS

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: JOHNSON T. SHUFELT

NO. OF PONDS ON SITE:

SITE NUMBER: DO3-77-SP-0098

NUMBER:

DESCRIPTION OF POND

POND IS: ☒ ACTIVE ☐ INACTIVE

POND TYPE: ☒ DUGOUT ☐ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☐ PIPE ☒ NONE

SIZE (ACRES):

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
				:1

PROXIMITY TO STREAMS: 400 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: none

PERMITS / APPROVALS: ☒ APPROPRIATION ☐ DISCHARGE ☐ SCD ☐ NONE

VEGETATION: ☐ VOID ☐ SPARSE ☒ DENSE
☐ GRASS ☒ WETLANDS VEGETATION ☐ SHRUBS ☐ TREES

LOCATION

COUNTY: DO

MARYLAND GRID COORDINATES

BASIN CODE: 02130403

NORTH: 282

EAST: 1100

RIVER/STREAM: Warwick River

REMARKS

Channel about 400 ft. long and 50 ft. wide, at end of channel
dense wetlands vegetation, sediment settles out into vegetation.
Channel leads back into pit which is hydraulically mined.

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: EASTERN CORPORATION

NO. OF PONDS ON SITE:

SITE NUMBER: DO4-77-SP-0100

NUMBER:

DESCRIPTION OF POND

POND IS: ☒ ACTIVE ☐ INACTIVE

POND TYPE: ☒ DUGOUT ☐ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☐ PIPE ☒ NONE

SIZE (ACRES):

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
				:1

PROXIMITY TO STREAMS: 50 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: low

PERMITS / APPROVALS: ☒ APPROPRIATION ☐ DISCHARGE ☐ SCD ☐ NONE

VEGETATION: ☐ VOID ☐ SPARSE ☒ DENSE
☐ GRASS ☒ WETLANDS VEGETATION ☐ SHRUBS ☒ TREES

LOCATION

COUNTY: DO

MARYLAND GRID COORDINATES

NORTH: 304

BASIN CODE: 02130306

EAST : 1149

RIVER/STREAM: Marshy Hope Creek

REMARKS

Wash plant with no pond-material goes into a channel which is continually dipped out. Not able to walk on sides of channel.

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: HARFORD SANDS, INC.

NO. OF PONDS ON SITE: 1

SITE NUMBER: HA1-77-SP-0089

NUMBER: 1

DESCRIPTION OF POND

POND IS: ☒ ACTIVE ☐ INACTIVE

POND TYPE: ☐ DUGOUT ☒ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☒ PIPE ☐ NONE

SIZE (ACRES): 8.90

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
11	7.9	11.2	3.0	1.5:1

PROXIMITY TO STREAMS: 100 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: high

PERMITS / APPROVALS: ☒ APPROPRIATION ☒ DISCHARGE ☒ SCD ☐ NONE

VEGETATION: ☒ VOID ☐ SPARSE ☐ DENSE
☐ GRASS ☐ WETLANDS VEGETATION ☐ SHRUBS ☐ TREES

LOCATION

COUNTY: HA

MARYLAND GRID COORDINATES

BASIN CODE: 02130801

NORTH: 573

EAST: 988

RIVER/STREAM: unnamed trib.to Gunpowder

REMARKS

Poyential hazards are high because embankment is uncompacted material and both height and length are added to pond using fines to increase holding capacity.

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: SPENCER SAND AND GRAVEL

NO. OF PONDS ON SITE: 2

SITE NUMBER: HA2-77-SP-0076

NUMBER: 1

DESCRIPTION OF POND

POND IS: ☐ ACTIVE ☒ INACTIVE

POND TYPE: ☒ DUGOUT ☐ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☐ PIPE ☒ NONE

SIZE (ACRES): 0.27

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
				:1

PROXIMITY TO STREAMS: 5000 FEET

LIFE EXPECTANCY:

POTENTIAL HAZARDS: low

PERMITS / APPROVALS: ☐ APPROPRIATION ☐ DISCHARGE ☐ SCD ☒ NONE

VEGETATION: ☐ VOID ☐ SPARSE ☒ DENSE
☒ GRASS ☒ WETLANDS VEGETATION ☒ SHRUBS ☐ TREES

LOCATION

COUNTY: HA

MARYLAND GRID COORDINATES

BASIN CODE: 02130704

NORTH: 597

EAST : 1001

RIVER/STREAM: Bush Run Tributary

REMARKS

Wash plant closed, ponds are being dug out and the material is being used for the landfill. Area is starting to be reclaimed.

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: SPENCER SAND AND GRAVEL

NO. OF PONDS ON SITE: 2

SITE NUMBER: HA2-77-SP-0076

NUMBER: 2

DESCRIPTION OF POND

POND IS: ACTIVE

 x INACTIVE

POND TYPE: x DUGOUT

 EMBANKMENT

SPILLWAY TYPE: BARREL W/RISER

 EMERGENCY

 PIPE

 x NONE

SIZE (ACRES): 0.55

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
				:1

PROXIMITY TO STREAMS: 5000 FEET

LIFE EXPECTANCY:

POTENTIAL HAZARDS: low

PERMITS / APPROVALS: APPROPRIATION

 DISCHARGE

 SCD

 x NONE

VEGETATION: VOID

 SPARSE

 x DENSE

 x GRASS

 x WETLANDS VEGETATION

 x SHRUBS

 TREES

LOCATION

COUNTY: HA

MARYLAND GRID COORDINATES

BASIN CODE: 02130704

NORTH: 597

EAST : 1001

RIVER/STREAM: Bush River Tributary

REMARKS

Only six months to one year of material left. Will not run plant again.

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: DANEKER SAND AND GRAVEL

NO. OF PONDS ON SITE: 2

SITE NUMBER: HA3-79-SP-0119

NUMBER: 1

DESCRIPTION OF POND

POND IS: ☐ ACTIVE ☒ INACTIVE

POND TYPE: ☒ DUGOUT ☐ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☒ PIPE ☐ NONE

SIZE (ACRES): 0.39

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
				:1

PROXIMITY TO STREAMS: 2000 FEET

LIFE EXPECTANCY:

POTENTIAL HAZARDS: none

PERMITS / APPROVALS: ☒ APPROPRIATION ☒ DISCHARGE ☐ SCD ☐ NONE

VEGETATION: ☐ VOID ☒ SPARSE ☐ DENSE
☒ GRASS ☒ WETLANDS VEGETATION ☐ SHRUBS ☐ TREES

LOCATION

COUNTY: HA

MARYLAND GRID COORDINATES

BASIN CODE: 02130702

NORTH: 593

EAST : 983

RIVER/STREAM: Winters Run Tributary

REMARKS

Plant is not being run at this time may not be used in future,
however, an active surface mining permit still governs site.

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: DANEKER SAND AND GRAVEL

NO. OF PONDS ON SITE: 2

SITE NUMBER: HA3-79-SP-0119

NUMBER: 2

DESCRIPTION OF POND

POND IS: ACTIVE X INACTIVE

POND TYPE: DUGOUT X EMBANKMENT

SPILLWAY TYPE: BARREL W/RISER EMERGENCY PIPE X NONE

SIZE (ACRES): 0.45

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
6	4.2	7.7	3.2	2.4:1

PROXIMITY TO STREAMS: 2000 FEET

LIFE EXPECTANCY:

POTENTIAL HAZARDS: none

PERMITS / APPROVALS: X APPROPRIATION X DISCHARGE SCD NONE

VEGETATION: VOID X SPARSE DENSE
 X GRASS X WETLANDS VEGETATION SHRUBS TREES

LOCATION

COUNTY: HA

MARYLAND GRID COORDINATES

BASIN CODE: 02130702

NORTH: 593

EAST : 983

RIVER/STREAM: Winters Run Tributary

REMARKS

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: S AND G CONCRETE

NO. OF PONDS ON SITE: 3

SITE NUMBER: HA4-83-SP-0149

NUMBER: 1

DESCRIPTION OF POND

POND IS: ☒ ACTIVE ☐ INACTIVE

POND TYPE: ☒ DUGOUT ☐ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☒ PIPE ☐ NONE

SIZE (ACRES): 1.92

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
				:1

PROXIMITY TO STREAMS: 1500 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: none

PERMITS / APPROVALS: ☒ APPROPRIATION ☒ DISCHARGE ☐ SCD ☐ NONE

VEGETATION: ☐ VOID ☒ SPARSE ☐ DENSE
☒ GRASS ☐ WETLANDS VEGETATION ☐ SHRUBS ☐ TREES

LOCATION

COUNTY: HA

MARYLAND GRID COORDINATES

BASIN CODE: 02130702

NORTH: 589

EAST : 993

RIVER/STREAM: Winters Run

REMARKS

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: S AND G CONCRETE

NO. OF PONDS ON SITE: 3

SITE NUMBER: HA4-83-SP-0149

NUMBER: 2

DESCRIPTION OF POND

POND IS: ☒ ACTIVE ☐ INACTIVE

POND TYPE: ☒ DUGOUT ☐ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☒ PIPE ☐ NONE

SIZE (ACRES): 1.15

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
				:1

PROXIMITY TO STREAMS: 1500 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: low

PERMITS / APPROVALS: ☒ APPROPRIATION ☒ DISCHARGE ☐ SCD ☐ NONE

VEGETATION: ☒ VOID ☐ SPARSE ☐ DENSE
☐ GRASS ☐ WETLANDS VEGETATION ☐ SHRUBS ☐ TREES

LOCATION

COUNTY: HA

MARYLAND GRID COORDINATES

BASIN CODE: 02130702

NORTH: 589

EAST : 993

RIVER/STREAM: Winters Run

REMARKS

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: S AND G CONCRETE

NO. OF PONDS ON SITE: 3

SITE NUMBER: HA4-83-SP-0149

NUMBER: 3

DESCRIPTION OF POND

POND IS: ☒ ACTIVE ☐ INACTIVE

POND TYPE: ☒ DUGOUT ☐ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☒ PIPE ☐ NONE

SIZE (ACRES): 2.56

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
				:1

PROXIMITY TO STREAMS: 1500 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: low

PERMITS / APPROVALS: ☒ APPROPRIATION ☒ DISCHARGE ☐ SCD ☐ NONE

VEGETATION: ☒ VOID ☐ SPARSE ☐ DENSE
☐ GRASS ☐ WETLANDS VEGETATION ☐ SHRUBS ☐ TREES

LOCATION

COUNTY: HA

MARYLAND GRID COORDINATES

BASIN CODE: 02130702

NORTH: 589

EAST : 993

RIVER/STREAM: Winters Run

REMARKS

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: AGGREGATE INDUSTRIES

NO. OF PONDS ON SITE: 1

SITE NUMBER: PG1

NUMBER: 1

DESCRIPTION OF POND

POND IS: ☒ ACTIVE

☐ INACTIVE

POND TYPE: ☒ DUGOUT

☐ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☒ PIPE ☐ NONE

SIZE (ACRES): 5.41

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
				:1

PROXIMITY TO STREAMS: 30000 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: low

PERMITS / APPROVALS: ☐ APPROPRIATION ☒ DISCHARGE ☐ SCD ☐ NONE

VEGETATION: ☐ VOID

☒ SPARSE ☐ DENSE

☒ GRASS

☒ WETLANDS VEGETATION

☐ SHRUBS

☐ TREES

LOCATION

COUNTY: PG

MARYLAND GRID COORDINATES

BASIN CODE: 02140201

NORTH: 350

EAST : 841

RIVER/STREAM: Piscataway Creek

REMARKS

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: SILVER HILL

NO. OF PONDS ON SITE: 1

SITE NUMBER: PG2

NUMBER: 1

DESCRIPTION OF POND

POND IS: ☒ ACTIVE ☐ INACTIVE

POND TYPE: ☒ DUGOUT ☐ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☒ EMERGENCY ☐ PIPE ☐ NONE

SIZE (ACRES): 4.64

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
				:1

PROXIMITY TO STREAMS: 20000 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: none

PERMITS / APPROVALS: ☐ APPROPRIATION ☒ DISCHARGE ☐ SCD ☐ NONE

VEGETATION: ☐ VOID ☐ SPARSE ☒ DENSE
☒ GRASS ☒ WETLANDS VEGETATION ☐ SHRUBS ☐ TREES

LOCATION

COUNTY: PG

MARYLAND GRID COORDINATES

NORTH: 359

BASIN CODE: 02140204

EAST : 809

RIVER/STREAM: Henson Creek

REMARKS

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: INLAND MATERIALS

NO. OF PONDS ON SITE: 2

SITE NUMBER: PG3

NUMBER: 1

DESCRIPTION OF POND

POND IS: ☒ ACTIVE ☐ INACTIVE

POND TYPE: ☐ DUGOUT ☒ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☒ PIPE ☐ NONE

SIZE (ACRES): 4.43

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
17	15.1	17.2	2.1	1.7:1

PROXIMITY TO STREAMS: 60000 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: low

PERMITS / APPROVALS: ☐ APPROPRIATION ☒ DISCHARGE ☐ SCD ☐ NONE

VEGETATION: ☐ VOID ☐ SPARSE ☒ DENSE
☒ GRASS ☒ WETLANDS VEGETATION ☐ SHRUBS ☒ TREES

LOCATION

COUNTY: PG

MARYLAND GRID COORDINATES

BASIN CODE: 02140204

NORTH: 369

EAST : 810

RIVER/STREAM: Oxon Run

REMARKS

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: INLAND MATERIALS

NO. OF PONDS ON SITE: 2

SITE NUMBER: PG3

NUMBER: 2

DESCRIPTION OF POND

POND IS: ☒ ACTIVE ☐ INACTIVE

POND TYPE: ☒ DUGOUT ☐ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☐ PIPE ☐ NONE

SIZE (ACRES): 1.24

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
				:1

PROXIMITY TO STREAMS: 60000 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: none

PERMITS / APPROVALS: ☐ APPROPRIATION ☒ DISCHARGE ☐ SCD ☐ NONE

VEGETATION: ☐ VOID ☐ SPARSE ☒ DENSE
☒ GRASS ☒ WETLANDS VEGETATION ☐ SHRUBS ☐ TREES

LOCATION

COUNTY: PG

MARYLAND GRID COORDINATES

BASIN CODE: 02140204

NORTH: 369

EAST : 816

RIVER/STREAM: Oxon Run

REMARKS

Material dried in six to eight inch lifts and then disked,
additional material is placed on top. After height desired is
obtained, area is seeded.

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: A.H. SMITH-BRANCHVILLE

NO. OF PONDS ON SITE:

SITE NUMBER: PG4

NUMBER:

DESCRIPTION OF POND

POND IS: ☐ ACTIVE

☐ INACTIVE

POND TYPE: ☐ DUGOUT

☐ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☐ PIPE ☐ NONE

SIZE (ACRES):

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope

PROXIMITY TO STREAMS: FEET

LIFE EXPECTANCY:

POTENTIAL HAZARDS:

PERMITS / APPROVALS: ☐ APPROPRIATION ☐ DISCHARGE ☐ SCD ☐ NONE

VEGETATION: ☐ VOID ☐ SPARSE ☐ DENSE
☐ GRASS ☐ WETLANDS VEGETATION ☐ SHRUBS ☐ TREES

LOCATION

COUNTY: PG

MARYLAND GRID COORDINATES

BASIN CODE:

NORTH:

EAST :

RIVER/STREAM:

REMARKS

Permission denied by owner to survey ponds. Ponds are not in a surface mining permit area so additional information is unavailable.

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: A.H. SMITH-BRANDYWINE

NO. OF PONDS ON SITE:

SITE NUMBER: PG5

NUMBER:

DESCRIPTION OF POND

POND IS: ☐ ACTIVE ☐ INACTIVE

POND TYPE: ☐ DUGOUT ☐ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☐ PIPE ☐ NONE

SIZE (ACRES):

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope

PROXIMITY TO STREAMS: FEET

LIFE EXPECTANCY:

POTENTIAL HAZARDS:

PERMITS / APPROVALS: ☐ APPROPRIATION ☐ DISCHARGE ☐ SCD ☐ NONE

VEGETATION: ☐ VOID ☐ SPARSE ☐ DENSE
☐ GRASS ☐ WETLANDS VEGETATION ☐ SHRUBS ☐ TREES

LOCATION

COUNTY: PG

MARYLAND GRID COORDINATES

BASIN CODE:

NORTH: 0

EAST : 0

RIVER/STREAM:

REMARKS

Permission denied by owner to survey ponds.

**Department of Natural Resources
Water Resources Administration
Surface Mining Division**

Pond Inventory Sheet

IDENTIFICATION

COMPANY: DAVIS SAND AND GRAVEL

NO. OF PONDS ON SITE:

SITE NUMBER: PG6

NUMBER:

DESCRIPTION OF POND

POND IS: ☐ ACTIVE ☐ INACTIVE

POND TYPE: ☐ DUGOUT ☐ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☐ PIPE ☐ NONE

SIZE (ACRES):

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope

PROXIMITY TO STREAMS: FEET

LIFE EXPECTANCY:

POTENTIAL HAZARDS:

PERMITS / APPROVALS: ☐ APPROPRIATION ☐ DISCHARGE ☐ SCD ☐ NONE

VEGETATION: ☐ VOID ☐ SPARSE ☐ DENSE
 ☐ GRASS ☐ WETLANDS VEGETATION ☐ SHRUBS ☐ TREES

LOCATION

COUNTY: PG

MARYLAND GRID COORDINATES

NORTH: 0

BASIN CODE:

EAST : 0

RIVER/STREAM:

REMARKS

Owned by A.H. Smith-permission denied to survey ponds.

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: E.L. GARDNER

NO. OF PONDS ON SITE: 4

SITE NUMBER: PG7-77-SP-0013

NUMBER: 1

DESCRIPTION OF POND

POND IS: ☒ ACTIVE ☐ INACTIVE

POND TYPE: ☒ DUGOUT ☐ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☒ PIPE ☐ NONE

SIZE (ACRES): 0.68

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
				:1

PROXIMITY TO STREAMS: 20000 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: none

PERMITS / APPROVALS: ☐ APPROPRIATION ☐ DISCHARGE ☐ SCD ☒ NONE

VEGETATION: ☐ VOID ☒ SPARSE ☐ DENSE
☒ GRASS ☐ WETLANDS VEGETATION ☐ SHRUBS ☐ TREES

LOCATION

COUNTY: PG

MARYLAND GRID COORDINATES

BASIN CODE: 02131102

NORTH: 317

EAST : 853

RIVER/STREAM: Rock Creek

REMARKS

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: E.L. GARDNER

NO. OF PONDS ON SITE: 4

SITE NUMBER: PG7-77-SP-0013

NUMBER: 2

DESCRIPTION OF POND

POND IS: ☒ ACTIVE ☐ INACTIVE

POND TYPE: ☒ DUGOUT ☐ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☒ PIPE ☐ NONE

SIZE (ACRES): 0.60

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
				:1

PROXIMITY TO STREAMS: 20000 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: none

PERMITS / APPROVALS: ☐ APPROPRIATION ☐ DISCHARGE ☒ SCD ☐ NONE

VEGETATION: ☐ VOID ☒ SPARSE ☐ DENSE
☒ GRASS ☒ WETLANDS VEGETATION ☐ SHRUBS ☐ TREES

LOCATION

COUNTY: PG

MARYLAND GRID COORDINATES

BASIN CODE: 02131102

NORTH: 317

EAST : 853

RIVER/STREAM: Rock Creek

REMARKS

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: E.L. GARDNER

NO. OF PONDS ON SITE: 4

SITE NUMBER: PG7-77-SP-0013

NUMBER: 3

DESCRIPTION OF POND

POND IS: ☒ ACTIVE ☐ INACTIVE

POND TYPE: ☒ DUGOUT ☐ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☒ PIPE ☐ NONE

SIZE (ACRES): 0.30

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
				:1

PROXIMITY TO STREAMS: 20000 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: none

PERMITS / APPROVALS: ☐ APPROPRIATION ☐ DISCHARGE ☐ SCD ☒ NONE

VEGETATION: ☐ VOID ☒ SPARSE ☐ DENSE
☒ GRASS ☒ WETLANDS VEGETATION ☐ SHRUBS ☐ TREES

LOCATION

COUNTY: PG

MARYLAND GRID COORDINATES

BASIN CODE: 02131102

NORTH: 317

EAST : 853

RIVER/STREAM: Rock Creek

REMARKS

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: E.L. GARDNER

NO. OF PONDS ON SITE: 4

SITE NUMBER: PG7-77-SP-0013

NUMBER: 4

DESCRIPTION OF POND

POND IS: ☒ ACTIVE ☐ INACTIVE

POND TYPE: ☒ DUGOUT ☐ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☒ PIPE ☐ NONE

SIZE (ACRES): 1.55

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
				:1

PROXIMITY TO STREAMS: 20000 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: none

PERMITS / APPROVALS: ☐ APPROPRIATION ☐ DISCHARGE ☒ SCD ☐ NONE

VEGETATION: ☐ VOID ☒ SPARSE ☐ DENSE
☒ GRASS ☐ WETLANDS VEGETATION ☐ SHRUBS ☐ TREES

LOCATION

COUNTY: PG

MARYLAND GRID COORDINATES

BASIN CODE: 02131102

NORTH: 317

EAST : 853

RIVER/STREAM: Rock Creek

REMARKS

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: LAUREL SAND AND GRAVEL

NO. OF PONDS ON SITE: 4

SITE NUMBER: PG8

NUMBER: 1

DESCRIPTION OF POND

POND IS: ☒ ACTIVE ☐ INACTIVE

POND TYPE: ☒ DUGOUT ☐ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☒ PIPE ☐ NONE

SIZE (ACRES): 15.52

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
				:1

PROXIMITY TO STREAMS: 20000 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: low

PERMITS / APPROVALS: ☐ APPROPRIATION ☐ DISCHARGE ☐ SCD ☒ NONE

VEGETATION: ☐ VOID ☐ SPARSE ☒ DENSE
☐ GRASS ☒ WETLANDS VEGETATION ☒ SHRUBS ☒ TREES

LOCATION

COUNTY: PG

MARYLAND GRID COORDINATES

BASIN CODE: 02140205

NORTH: 465

EAST : 829

RIVER/STREAM: Indian Creek

REMARKS

Very large pond, middle grown in with wetlands vegetation.
A channel is maintained for the water to move through.

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: LAUREL SAND AND GRAVEL

NO. OF PONDS ON SITE: 4

SITE NUMBER: PG8

NUMBER: 2

DESCRIPTION OF POND

POND IS: ☒ ACTIVE

☐ INACTIVE

POND TYPE: ☐ DUGOUT

☒ EMBANKMENT

SPILLWAY TYPE: ☒ BARREL W/RISER

☐ EMERGENCY

☐ PIPE

☐ NONE

SIZE (ACRES): 18.68

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
35	35.9	43.0	7.1	2.7:1

PROXIMITY TO STREAMS: 20000 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: low

PERMITS / APPROVALS: ☐ APPROPRIATION

☐ DISCHARGE

☐ SCD

☒ NONE

VEGETATION: ☐ VOID

☐ SPARSE

☒ DENSE

☐ GRASS

☒ WETLANDS VEGETATION

☒ SHRUBS

☒ TREES

LOCATION

COUNTY: PG

MARYLAND GRID COORDINATES

BASIN CODE: 02140205

NORTH: 465

EAST : 829

RIVER/STREAM: Indian Creek

REMARKS

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: LAUREL SAND AND GRAVEL

NO. OF PONDS ON SITE: 4

SITE NUMBER: PG8

NUMBER: 3

DESCRIPTION OF POND

POND IS: ☒ ACTIVE

☐ INACTIVE

POND TYPE: ☐ DUGOUT

☒ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER

☐ EMERGENCY

☒ PIPE

☐ NONE

SIZE (ACRES): 29.09

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
29	13.3	17.2	3.5	2.5:1

PROXIMITY TO STREAMS: 20000 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: low

PERMITS / APPROVALS: ☐ APPROPRIATION

☐ DISCHARGE

☐ SCD

☒ NONE

VEGETATION: ☐ VOID

☐ SPARSE

☒ DENSE

☐ GRASS

☒ WETLANDS VEGETATION

☒ SHRUBS

☒ TREES

LOCATION

COUNTY: PG

MARYLAND GRID COORDINATES

BASIN CODE: 02140205

NORTH: 465

EAST : 829

RIVER/STREAM: Indian Creek

REMARKS

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: LAUREL SAND AND GRAVEL

NO. OF PONDS ON SITE: 4

SITE NUMBER: PG8

NUMBER: 4

DESCRIPTION OF POND

POND IS: ☒ ACTIVE

☐ INACTIVE

POND TYPE: ☐ DUGOUT

☒ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER

☐ EMERGENCY

☒ PIPE

☐ NONE

SIZE (ACRES): 7.90

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
12	11.6	18.5	5.8	4.0:1

PROXIMITY TO STREAMS: 20000 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: none

PERMITS / APPROVALS: ☐ APPROPRIATION

☐ DISCHARGE

☐ SCD

☒ NONE

VEGETATION: ☐ VOID

☐ SPARSE

☒ DENSE

☐ GRASS

☒ WETLANDS VEGETATION

☐ SHRUBS

☐ TREES

LOCATION

COUNTY: PG

MARYLAND GRID COORDINATES

BASIN CODE: 02140205

NORTH: 465

EAST : 829

RIVER/STREAM: Indian Creek

REMARKS

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: EDWARD B. HOWLIN

NO. OF PONDS ON SITE: 4

SITE NUMBER: SM1

NUMBER: 1

DESCRIPTION OF POND

POND IS: ☒ ACTIVE ☐ INACTIVE

POND TYPE: ☐ DUGOUT ☒ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☒ PIPE ☐ NONE

SIZE (ACRES): 1.27

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
21	30.0	32.1	9.5	1.1:1

PROXIMITY TO STREAMS: 200 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: high

PERMITS / APPROVALS: ☒ APPROPRIATION ☐ DISCHARGE ☐ SCD ☐ NONE

VEGETATION: ☐ VOID ☒ SPARSE ☐ DENSE
☐ GRASS ☒ WETLANDS VEGETATION ☒ SHRUBS ☒ TREES

LOCATION

COUNTY: SM

MARYLAND GRID COORDINATES

BASIN CODE: 02140107

NORTH: 225

EAST : 869

RIVER/STREAM: Swamp Creek

REMARKS

Hazard is high due to height of embankment, dense trees growing on embankment and lack of construction documentation.

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: EDWARD B. HOWLIN

NO. OF PONDS ON SITE: 4

SITE NUMBER: SM1

NUMBER: 2

DESCRIPTION OF POND

POND IS: ☒ ACTIVE

☐ INACTIVE

POND TYPE: ☒ DUGOUT

☐ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER

☐ EMERGENCY

☒ PIPE

☐ NONE

SIZE (ACRES): 0.53

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
				:1

PROXIMITY TO STREAMS: 500 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: low

PERMITS / APPROVALS: ☒ APPROPRIATION

☐ DISCHARGE

☐ SCD

☐ NONE

VEGETATION: ☒ VOID

☐ SPARSE

☐ DENSE

☐ GRASS

☐ WETLANDS VEGETATION

☐ SHRUBS

☐ TREES

LOCATION

COUNTY: SM

MARYLAND GRID COORDINATES

BASIN CODE: 02140107

NORTH: 225

EAST : 869

RIVER/STREAM: Swamp Creek

REMARKS

Some sediment leaking out of end of pond, which has reached capacity. In the process of dredging it out.

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: EDWARD B. HOWLIN

NO. OF PONDS ON SITE: 4

SITE NUMBER: SM1

NUMBER: 3

DESCRIPTION OF POND

POND IS: ☒ ACTIVE ☐ INACTIVE

POND TYPE: ☒ DUGOUT ☐ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☒ PIPE ☐ NONE

SIZE (ACRES): 0.50

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
				:1

PROXIMITY TO STREAMS: 700 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: low

PERMITS / APPROVALS: ☒ APPROPRIATION ☐ DISCHARGE ☐ SCD ☐ NONE

VEGETATION: ☒ VOID ☐ SPARSE ☐ DENSE
☐ GRASS ☐ WETLANDS VEGETATION ☐ SHRUBS ☐ TREES

LOCATION

COUNTY: SM

MARYLAND GRID COORDINATES

BASIN CODE: 02140107

NORTH: 225

EAST: 869

RIVER/STREAM: Swamp Creek

REMARKS

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: EDWARD B. HOWLIN

NO. OF PONDS ON SITE: 4

SITE NUMBER: SM1

NUMBER: 4

DESCRIPTION OF POND

POND IS: ☒ ACTIVE ☐ INACTIVE

POND TYPE: ☒ DUGOUT ☐ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☒ PIPE ☐ NONE

SIZE (ACRES): 0.63

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
				:1

PROXIMITY TO STREAMS: 900 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: low

PERMITS / APPROVALS: ☒ APPROPRIATION ☐ DISCHARGE ☐ SCD ☐ NONE

VEGETATION: ☒ VOID ☐ SPARSE ☐ DENSE
☐ GRASS ☐ WETLANDS. VEGETATION ☐ SHRUBS ☐ TREES

LOCATION

COUNTY: SM

MARYLAND GRID COORDINATES

BASIN CODE: 02140107

NORTH: 225

EAST : 869

RIVER/STREAM: Swamp Creek

REMARKS

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: MARYLAND ROCK INDUSTRIES, INC.

NO. OF PONDS ON SITE: 8

SITE NUMBER: SM2-77-SP-0119

NUMBER: 1

DESCRIPTION OF POND

POND IS: ☒ ACTIVE ☐ INACTIVE

POND TYPE: ☒ DUGOUT ☐ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☒ PIPE ☐ NONE

SIZE (ACRES): 0.82

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
				:1

PROXIMITY TO STREAMS: 2000 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: low

PERMITS / APPROVALS: ☒ APPROPRIATION ☒ DISCHARGE ☐ SCD ☐ NONE

VEGETATION: ☒ VOID ☐ SPARSE ☐ DENSE
☐ GRASS ☐ WETLANDS VEGETATION ☐ SHRUBS ☐ TREES

LOCATION

COUNTY: SM

MARYLAND GRID COORDINATES

BASIN CODE: 02140104

NORTH: 902

EAST : 155

RIVER/STREAM: Breton Bay

REMARKS

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: MARYLAND ROCK INDUSTRIES, INC.

NO. OF PONDS ON SITE: 8

SITE NUMBER: SM2-77-SP-0119

NUMBER: 2

DESCRIPTION OF POND

POND IS: ☒ ACTIVE ☐ INACTIVE

POND TYPE: ☒ DUGOUT ☐ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☒ PIPE ☐ NONE

SIZE (ACRES): 0.79

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
				:1

PROXIMITY TO STREAMS: 2000 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: low

PERMITS / APPROVALS: ☒ APPROPRIATION ☒ DISCHARGE ☐ SCD ☐ NONE

VEGETATION: ☒ VOID ☐ SPARSE ☐ DENSE
☐ GRASS ☐ WETLANDS VEGETATION ☐ SHRUBS ☐ TREES

LOCATION

COUNTY: SM

MARYLAND GRID COORDINATES

BASIN CODE: 02140104

NORTH: 902

EAST : 155

RIVER/STREAM: Breton Bay

REMARKS

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: MARYLAND ROCK INDUSTRIES, INC.

NO. OF PONDS ON SITE: 8

SITE NUMBER: SM2-77-SP-0119

NUMBER: 3

DESCRIPTION OF POND

POND IS: ☒ ACTIVE ☐ INACTIVE

POND TYPE: ☒ DUGOUT ☐ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☒ PIPE ☐ NONE

SIZE (ACRES): 0.78

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
				:1

PROXIMITY TO STREAMS: 2000 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: low

PERMITS / APPROVALS: ☒ APPROPRIATION ☒ DISCHARGE ☐ SCD ☐ NONE

VEGETATION: ☒ VOID ☐ SPARSE ☐ DENSE
☐ GRASS ☐ WETLANDS VEGETATION ☐ SHRUBS ☐ TREES

LOCATION

COUNTY: SM

MARYLAND GRID COORDINATES

BASIN CODE: 02140104

NORTH: 902

EAST : 155

RIVER/STREAM: Breton Bay

REMARKS

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: MARYLAND ROCK INDUSTRIES, INC.

NO. OF PONDS ON SITE: 8

SITE NUMBER: SM2-77-SP-0119

NUMBER: 4

DESCRIPTION OF POND

POND IS: ☒ ACTIVE ☐ INACTIVE

POND TYPE: ☒ DUGOUT ☐ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☒ PIPE ☐ NONE

SIZE (ACRES): 0.76

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
				:1

PROXIMITY TO STREAMS: 2000 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: low

PERMITS / APPROVALS: ☒ APPROPRIATION ☒ DISCHARGE ☐ SCD ☐ NONE

VEGETATION: ☒ VOID ☐ SPARSE ☐ DENSE
☐ GRASS ☐ WETLANDS VEGETATION ☐ SHRUBS ☐ TREES

LOCATION

COUNTY: SM

MARYLAND GRID COORDINATES

BASIN CODE: 02140104

NORTH: 902

EAST : 155

RIVER/STREAM: Breton Bay

REMARKS

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: MARYLAND ROCK INDUSTRIES, INC.

NO. OF PONDS ON SITE: 8

SITE NUMBER: SM2-77-SP-0119

NUMBER: 5

DESCRIPTION OF POND

POND IS: ☒ ACTIVE ☐ INACTIVE

POND TYPE: ☒ DUGOUT ☐ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☒ PIPE ☐ NONE

SIZE (ACRES): 1.07

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
				:1

PROXIMITY TO STREAMS: 2000 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: low

PERMITS / APPROVALS: ☒ APPROPRIATION ☒ DISCHARGE ☐ SCD ☐ NONE

VEGETATION: ☒ VOID ☐ SPARSE ☐ DENSE
☐ GRASS ☐ WETLANDS VEGETATION ☐ SHRUBS ☐ TREES

LOCATION

COUNTY: SM

MARYLAND GRID COORDINATES

BASIN CODE: 02140104

NORTH: 902

EAST : 155

RIVER/STREAM: Breton Bay

REMARKS

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: MARYLAND ROCK INDUSTRIES, INC.

NO. OF PONDS ON SITE: 8

SITE NUMBER: SM2-77-SP-0119

NUMBER: 6

DESCRIPTION OF POND

POND IS: ☒ ACTIVE

☐ INACTIVE

POND TYPE: ☒ DUGOUT

☐ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER

☐ EMERGENCY

☒ PIPE

☐ NONE

SIZE (ACRES): 0.98

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
				:1

PROXIMITY TO STREAMS: 1700 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: none

PERMITS / APPROVALS: ☒ APPROPRIATION

☒ DISCHARGE

☐ SCD

☐ NONE

VEGETATION: ☐ VOID

☐ SPARSE

☒ DENSE

☒ GRASS

☐ WETLANDS VEGETATION

☐ SHRUBS

☐ TREES

LOCATION

COUNTY: SM

MARYLAND GRID COORDINATES

BASIN CODE: 02140104

NORTH: 902

EAST : 155

RIVER/STREAM: Breton Bay

REMARKS

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: MARYLAND ROCK INDUSTRIES INC.

NO. OF PONDS ON SITE: 8

SITE NUMBER: SM2-77-SP-0119

NUMBER: 7

DESCRIPTION OF POND

POND IS: ☒ ACTIVE ☐ INACTIVE

POND TYPE: ☒ DUGOUT ☐ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☒ PIPE ☐ NONE

SIZE (ACRES): 0.39

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
				:1

PROXIMITY TO STREAMS: 1500 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: low

PERMITS / APPROVALS: ☒ APPROPRIATION ☒ DISCHARGE ☐ SCD ☐ NONE

VEGETATION: ☒ VOID ☐ SPARSE ☐ DENSE
☐ GRASS ☐ WETLANDS VEGETATION ☐ SHRUBS ☐ TREES

LOCATION

COUNTY: SM

MARYLAND GRID COORDINATES

BASIN CODE: 02140104

NORTH: 902

EAST : 155

RIVER/STREAM: Breton Bay

REMARKS

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: MARYLAND ROCK INDUSTRIES, INC.

NO. OF PONDS ON SITE: 8

SITE NUMBER: SM2-77-SP-0119

NUMBER: 8

DESCRIPTION OF POND

POND IS: ☒ ACTIVE ☐ INACTIVE

POND TYPE: ☒ DUGOUT ☐ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☒ PIPE ☐ NONE

SIZE (ACRES): 0.76

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
				:1

PROXIMITY TO STREAMS: 1500 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: low

PERMITS / APPROVALS: ☒ APPROPRIATION ☒ DISCHARGE ☐ SCD ☐ NONE

VEGETATION: ☒ VOID ☐ SPARSE ☐ DENSE
☐ GRASS ☐ WETLANDS VEGETATION ☐ SHRUBS ☐ TREES

LOCATION

COUNTY: SM

MARYLAND GRID COORDINATES

BASIN CODE: 02140104

NORTH: 902

EAST : 155

RIVER/STREAM: Breton Bay

REMARKS

Active only when other ponds not working correctly.

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: LEONARDTOWN SAND AND GRAVEL

NO. OF PONDS ON SITE: 6

SITE NUMBER: SM3

NUMBER: 1

DESCRIPTION OF POND

POND IS: ☒ ACTIVE ☐ INACTIVE

POND TYPE: ☐ DUGOUT ☒ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☐ PIPE ☒ NONE

SIZE (ACRES): 1.34

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
1	16.7	18.2	1.5	1.7:1

PROXIMITY TO STREAMS: 800 FEET

LIFE EXPECTANCY: 1-2 years

POTENTIAL HAZARDS: intermediate

PERMITS / APPROVALS: ☒ APPROPRIATION ☒ DISCHARGE ☐ SCD ☐ NONE

VEGETATION: ☐ VOID ☒ SPARSE ☐ DENSE
☐ GRASS ☐ WETLANDS VEGETATION ☒ SHRUBS ☒ TREES

LOCATION

COUNTY: SM

MARYLAND GRID COORDINATES

NORTH: 165

BASIN CODE: 02140103

EAST : 910

RIVER/STREAM: Glebe Run, Gravelly Run

REMARKS

Unconsolidated material pushed up to form dike. Ponds 1, 2 and 3 are improperly constructed, the only vegetation is shrubs and trees which increase hazards.

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: LEONARDTOWN SAND AND GRAVEL

NO. OF PONDS ON SITE: 6

SITE NUMBER: SM3

NUMBER: 2

DESCRIPTION OF POND

POND IS: ☒ ACTIVE

☐ INACTIVE

POND TYPE: ☐ DUGOUT

☒ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER

☐ EMERGENCY

☐ PIPE

☒ NONE

SIZE (ACRES): 1.19

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
1	16.7	18.2	1.5	1.7:1

PROXIMITY TO STREAMS: 800 FEET

LIFE EXPECTANCY: at capacity

POTENTIAL HAZARDS: high

PERMITS / APPROVALS: ☒ APPROPRIATION

☒ DISCHARGE

☐ SCD

☐ NONE

VEGETATION: ☐ VOID

☒ SPARSE ☐ DENSE

☐ GRASS

☐ WETLANDS VEGETATION

☒ SHRUBS

☒ TREES

LOCATION

COUNTY: SM

MARYLAND GRID COORDINATES

BASIN CODE: 02140103

NORTH: 165

EAST: 910

RIVER/STREAM: Glebe Run, Gravelly Run

REMARKS

Pond 2 has highest potential for failure in the south-west corner where the dike is 18.2 ft. high and top width is only 1 ft. Pond has reached capacity, should be reclaimed to reduce hazards.

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: LEONARDTOWN SAND AND GRAVEL

NO. OF PONDS ON SITE: 6

SITE NUMBER: SM3

NUMBER: 3

DESCRIPTION OF POND

POND IS: ☒ ACTIVE ☐ INACTIVE

POND TYPE: ☐ DUGOUT ☒ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☐ PIPE ☒ NONE

SIZE (ACRES): 0.76

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
1	16.7	18.2	1.5	1.7:1

PROXIMITY TO STREAMS: 800 FEET

LIFE EXPECTANCY: 1-2 years

POTENTIAL HAZARDS: intermediate

PERMITS / APPROVALS: ☒ APPROPRIATION ☒ DISCHARGE ☐ SCD ☐ NONE

VEGETATION: ☐ VOID ☒ SPARSE ☐ DENSE
☐ GRASS ☐ WETLANDS VEGETATION ☒ SHRUBS ☒ TREES

LOCATION

COUNTY: SM

MARYLAND GRID COORDINATES

BASIN CODE: 02140103

NORTH: 165

EAST: 910

RIVER/STREAM: Glebe Run, Gravelly Run

REMARKS

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: LEONARDTOWN SAND AND GRAVEL

NO. OF PONDS ON SITE: 6

SITE NUMBER: SM3

NUMBER: 4

DESCRIPTION OF POND

POND IS: ☒ ACTIVE ☐ INACTIVE

POND TYPE: ☒ DUGOUT ☐ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☐ PIPE ☒ NONE

SIZE (ACRES): 0.37

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
				:1

PROXIMITY TO STREAMS: 20 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: low

PERMITS / APPROVALS: ☒ APPROPRIATION ☒ DISCHARGE ☐ SCD ☐ NONE

VEGETATION: ☐ VOID ☐ SPARSE ☒ DENSE
☐ GRASS ☐ WETLANDS VEGETATION ☒ SHRUBS ☒ TREES

LOCATION

COUNTY: SM

MARYLAND GRID COORDINATES

BASIN CODE: 02140103

NORTH: 165

EAST : 910

RIVER/STREAM: Glebe Run, Gravelly Run

REMARKS

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: LEONARDTOWN SAND AND GRAVEL

NO. OF PONDS ON SITE: 6

SITE NUMBER: SM3

NUMBER: 5

DESCRIPTION OF POND

POND IS: ☒ ACTIVE

☐ INACTIVE

POND TYPE: ☒ DUGOUT

☐ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☒ PIPE ☐ NONE

SIZE (ACRES): 0.19

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
				:1

PROXIMITY TO STREAMS: 20 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: low

PERMITS / APPROVALS: ☒ APPROPRIATION ☒ DISCHARGE ☐ SCD ☐ NONE

VEGETATION: ☐ VOID ☐ SPARSE ☒ DENSE

☐ GRASS ☐ WETLANDS VEGETATION ☒ SHRUBS ☒ TREES

LOCATION

COUNTY: SM

MARYLAND GRID COORDINATES

BASIN CODE: 02140103

NORTH: 165

EAST : 910

RIVER/STREAM: Glebe Run, Gravelly Run

REMARKS

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: LEONARDTOWN SAND AND GRAVEL

NO. OF PONDS ON SITE: 6

SITE NUMBER: SM3

NUMBER: 6

DESCRIPTION OF POND

POND IS: ☒ ACTIVE

☐ INACTIVE

POND TYPE: ☐ DUGOUT

☒ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER

☐ EMERGENCY

☐ PIPE

☒ NONE

SIZE (ACRES): 0.30

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
18	6.9	9.9	3.0	1.8:1

PROXIMITY TO STREAMS: 20 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: low

PERMITS / APPROVALS: ☒ APPROPRIATION

☒ DISCHARGE

☐ SCD

☐ NONE

VEGETATION: ☐ VOID

☒ SPARSE ☐ DENSE

☐ GRASS

☐ WETLANDS VEGETATION

☒ SHRUBS

☐ TREES

LOCATION

COUNTY: SM

MARYLAND GRID COORDINATES

BASIN CODE: 02140103

NORTH: 165

EAST : 910

RIVER/STREAM: Glebe Run, Gravelly Run

REMARKS

Pond 6 is sparsely vegetated with shrubs, should be stabilized with grass.

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: HOWARD SAND AND GRAVEL

NO. OF PONDS ON SITE: 1

SITE NUMBER: WI1-77-SP-0094

NUMBER: 1

DESCRIPTION OF POND

POND IS: ☒ ACTIVE ☐ INACTIVE

POND TYPE: ☒ DUGOUT ☐ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☐ PIPE ☒ NONE

SIZE (ACRES): 8.86

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
				:1

PROXIMITY TO STREAMS: 150 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: low

PERMITS / APPROVALS: ☒ APPROPRIATION ☒ DISCHARGE ☐ SCD ☐ NONE

VEGETATION: ☐ VOID ☐ SPARSE ☒ DENSE
☐ GRASS ☒ WETLANDS VEGETATION ☐ SHRUBS ☒ TREES

LOCATION

COUNTY: WI

MARYLAND GRID COORDINATES

BASIN CODE: 02130305

NORTH: 231

EAST : 1167

RIVER/STREAM: Barren Creek

REMARKS

This is a channel leading into a fresh water pond used for irrigation. The spoil area is included in the area of the pond.

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: BLADES MATERIALS, INC.

NO. OF PONDS ON SITE: 1

SITE NUMBER: WO1-77-SP-0032

NUMBER: 1

DESCRIPTION OF POND

POND IS: ☒ ACTIVE ☐ INACTIVE

POND TYPE: ☐ DUGOUT ☐ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☐ PIPE ☒ NONE

SIZE (ACRES): 128.00

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
				:1

PROXIMITY TO STREAMS: 20 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: low

PERMITS / APPROVALS: ☐ APPROPRIATION ☒ DISCHARGE ☐ SCD ☐ NONE

VEGETATION: ☐ VOID ☐ SPARSE ☒ DENSE
☒ GRASS ☒ WETLANDS VEGETATION ☐ SHRUBS ☒ TREES

LOCATION

COUNTY: WO

MARYLAND GRID COORDINATES

BASIN CODE: 02130202

NORTH: 86

EAST : 1200

RIVER/STREAM: Pocomoke River

REMARKS

Wash plant material goes back into large water filled area where hydraulic mining is done. Material forms a fan as it goes into area. All runoff from site also goes back into this area.

Department of Natural Resources
Water Resources Administration
Surface Mining Division

Pond Inventory Sheet

IDENTIFICATION

COMPANY: LANCE J. ELLER, INC.

NO. OF PONDS ON SITE: 1

SITE NUMBER: WO2-77-SP-0123

NUMBER: 1

DESCRIPTION OF POND

POND IS: ☒ ACTIVE ☐ INACTIVE

POND TYPE: ☒ DUGOUT ☐ EMBANKMENT

SPILLWAY TYPE: ☐ BARREL W/RISER ☐ EMERGENCY ☐ PIPE ☒ NONE

SIZE (ACRES): 3.00

TYPICAL
SECTION:

Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope
				:1

PROXIMITY TO STREAMS: 300 FEET

LIFE EXPECTANCY: life of operation

POTENTIAL HAZARDS: low

PERMITS / APPROVALS: ☒ APPROPRIATION ☐ DISCHARGE ☐ SCD ☐ NONE

VEGETATION: ☐ VOID ☐ SPARSE ☒ DENSE
☒ GRASS ☒ WETLANDS VEGETATION ☒ SHRUBS ☐ TREES

LOCATION

COUNTY: WO

MARYLAND GRID COORDINATES

BASIN CODE: 02130202

NORTH: 63

EAST : 1217

RIVER/STREAM: Wagram

REMARKS

APPENDIX 2

IX.

APPENDIX II - EXPLANATION OF TERMS FOUND ON DATA SHEET

Identification

- "Company Name" - The name of the company which operates the site, not necessarily the landowner.
- "Site Number" - (Example - AA1-44-SP-0936) Derived from County Code (AA), order in which it was surveyed (1), and the surface mining permit number (44-SP-0936) if at a permitted site or adjacent to one.

"Number of Ponds on site" - Total number of ponds at that particular site.

"Number" - Identifies pond location at that site.

Description

- "POND IS" - Active - At time of survey, pond was being used for wash water.
- Inactive - At time of survey, pond was not being used for wash water.

- "POND TYPE" - Dugout - Pond is excavated in existing ground; no embankment.
- Embankment - Pond is constructed with an earthen embankment on existing ground.

"SPILLWAY TYPE"

Barrel with riser - Principal spillway which consists of a barrel with a riser that carries normal water flow through an embankment.

Pipe - Principal spillway which consists of a pipe carrying water flow through an embankment.

Emergency - Secondary spillway - would only be used during designed flooding event; excavated earth channel.

None - Pond has no spillway.

"SIZE (ACRES)" - Size of individual pond in acres.

"TYPICAL SECTION"

- Top Width - Width of the top of the embankment in feet.
- Depth - Depth of pond in feet, calculated from the elevation of the water level minus the elevation of the toe of slope.
- Height - Height of the embankment in feet, calculated from the elevation of the embankment crest minus the elevation of toe of slope.
- Freeboard - Measurement in feet of the remaining capacity of the pond calculated from the elevation of the embankment crest minus the elevation of the water.
- Downstream Slope - Measurement of the downstream slope expressed as a ratio of horizontal:vertical

"PROXIMITY TO STREAMS" - Distance on feet from pond to nearest river or stream.

"LIFE EXPECTANCY" - Projected amount of time the pond can still be used, usually life of the operation if the pond is dredged regularly.

POTENTIAL HAZARDS" - The potential hazards the pond presents rated as: none, low, intermediate, or high. Level of hazard determined from whether or not the pond is vegetatively stabilized and the type of vegetation (trees and shrubs add to hazard because of root system), the height, width, and stability of the embankment, the amount of material in the pond, the presence or absence of a spillway, and the proximity to streams.

"PERMITS/APPROVALS"

- Appropriation - Whether or not site has a water appropriation permit.
- Discharge - Whether or not site has a waste water discharge permit.
- SCD - Whether or not pond has Soil Conservation District (SCD) approval.
- None - Site has no permits.

"VEGETATION"

- Void - No vegetation
- Sparse - Insufficient amount of vegetation leaving structure subject to surface erosion.
- Dense - Sufficient amount of vegetation protecting structure from surface erosion.
- Grass - Grass vegetation
- Wetlands Vegetation - Phragmites, cattails, and other wetlands type vegetation.
- Shrubs - Low growing woody vegetation.
- Trees - Woody vegetation with a single trunk.

"LOCATION"

- County - Maryland county in which site is located
- Basin Code - Eight digit Maryland watershed designation
- River/Stream - Name of the river or stream closest to the site and ponds.
- Grid/Coordinates - Maryland grid coordinate system.

